

P6016292seq-PCT.txt
SEQUENCE LISTING

<110> Fujifilm Manufacturing Europe B.V.

<120> Recombinant gelatins

<130> P6016292PCT

<160> 11

<170> PatentIn version 3.3

<210> 1

<211> 189

<212> PRT

<213> Artificial

<220>

<223> CBE monomer

<400> 1

Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly
1 5 10 15

Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp
20 25 30

Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln
35 40 45

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
50 55 60

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
65 70 75 80

Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg
85 90 95

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
100 105 110

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
115 120 125

Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
130 135 140

Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
145 150 155 160

Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
165 170 175

Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro
180 185

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<210> 2
 <211> 378
 <212> PRT
 <213> Artificial

<220>
 <223> CBE2

<400> 2

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 Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp
 20 25 30
 Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln
 35 40 45
 Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
 50 55 60
 Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
 65 70 75 80
 Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg
 85 90 95
 Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
 100 105 110
 Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
 115 120 125
 Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
 130 135 140
 Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
 145 150 155 160
 Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
 165 170 175
 Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro
 180 185 190
 Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly
 195 200 205
 Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro
 210 215 220
 Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
 225 230 235 240

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Gly Glu Arg Gly Ala₂₄₅ Ala Gly Leu Pro Gly₂₅₀ Pro Lys Gly Glu Arg Gly
 Asp Ala Gly Pro₂₆₀ Lys Gly Ala Asp Gly₂₆₅ Ala Pro Gly Lys Asp₂₇₀ Gly Val
 Arg Gly Leu₂₇₅ Ala Gly Pro Ile Gly₂₈₀ Pro Pro Gly Glu Arg₂₈₅ Gly Ala Ala
 Gly Leu₂₉₀ Pro Gly Pro Lys Gly₂₉₅ Glu Arg Gly Asp Ala₃₀₀ Gly Pro Lys Gly
 Ala₃₀₅ Asp Gly Ala Pro Gly₃₁₀ Lys Asp Gly Val Arg₃₁₅ Gly Leu Ala Gly Pro₃₂₀
 Ile Gly Pro Pro Gly₃₂₅ Pro Ala Gly Ala Pro₃₃₀ Gly Ala Pro Gly Leu₃₃₅ Gln
 Gly Met Pro Gly₃₄₀ Glu Arg Gly Ala Ala₃₄₅ Gly Leu Pro Gly₃₅₀ Pro Lys Gly
 Glu Arg Gly₃₅₅ Asp Ala Gly Pro Lys₃₆₀ Gly Ala Asp Gly Ala₃₆₅ Pro Gly Lys
 Asp Gly₃₇₀ Val Arg Gly Leu Ala₃₇₅ Gly Pro Pro

<210> 3
 <211> 567
 <212> PRT
 <213> Artificial

<220>
 <223> CBE3

<400> 3

Gly Ala Pro Gly Leu₅ Gln Gly Ala Pro Gly₁₀ Leu Gln Gly Met Pro Gly₁₅
 Glu Arg Gly Ala₂₀ Ala Gly Leu Pro Gly₂₅ Pro Lys Gly Glu Arg₃₀ Gly Asp
 Ala Gly Pro₃₅ Lys Gly Ala Asp Gly₄₀ Ala Pro Gly Ala₄₅ Pro Gly Leu Gln
 Gly Met₅₀ Pro Gly Glu Arg Gly₅₅ Ala Ala Gly Leu₆₀ Pro Gly Pro Lys Gly
 Glu Arg Gly Asp Ala Gly₇₀ Pro Lys Gly Ala Asp₇₅ Gly Ala Pro Gly Lys₈₀
 Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
 100 105 110
 Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
 115 120 125
 Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
 130 135 140
 Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
 145 150 155 160
 Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
 165 170 175
 Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro
 180 185 190
 Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly
 195 200 205
 Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro
 210 215 220
 Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
 225 230 235 240
 Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
 245 250 255
 Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
 260 265 270
 Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala
 275 280 285
 Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
 290 295 300
 Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
 305 310 315 320
 Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln
 325 330 335
 Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
 340 345 350
 Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
 355 360 365

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Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln
370 375 380

Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly
385 390 395 400

Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala
405 410 415

Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
420 425 430

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
435 440 445

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
450 455 460

Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
465 470 475 480

Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
485 490 495

Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
500 505 510

Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
515 520 525

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
530 535 540

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
545 550 555 560

Arg Gly Leu Ala Gly Pro Pro
565

<210> 4
<211> 756
<212> PRT
<213> Artificial

<220>
<223> CBE4

<400> 4

Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly
1 5 10 15

Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp
Pagina 5

20

25

30

Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln
 35 40 45

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
 50 55 60

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
 65 70 75 80

Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg
 85 90 95

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
 100 105 110

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
 115 120 125

Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
 130 135 140

Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
 145 150 155 160

Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
 165 170 175

Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro
 180 185 190

Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly
 195 200 205

Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro
 210 215 220

Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
 225 230 235 240

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
 245 250 255

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
 260 265 270

Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala
 275 280 285

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
 290 295 300

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Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
305 310 315 320

Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln
325 330 335

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
340 345 350

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
355 360 365

Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln
370 375 380

Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly
385 390 395 400

Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala
405 410 415

Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
420 425 430

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
435 440 445

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
450 455 460

Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
465 470 475 480

Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
485 490 495

Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
500 505 510

Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
515 520 525

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
530 535 540

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
545 550 555 560

Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro
565 570 575

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Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
580 585 590

Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
595 600 605

Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
610 615 620

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
625 630 635 640

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
645 650 655

Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
660 665 670

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly
675 680 685

Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro
690 695 700

Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
705 710 715 720

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
725 730 735

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
740 745 750

Ala Gly Pro Pro
755

<210> 5
<211> 945
<212> PRT
<213> Artificial

<220>
<223> CBE5

<400> 5

Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly
1 5 10 15

Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp
20 25 30

Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln
35 40 45

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Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
 50 55 60
 Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
 65 70 75 80
 Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg
 85 90 95
 Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
 100 105 110
 Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
 115 120 125
 Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
 130 135 140
 Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
 145 150 155 160
 Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
 165 170 175
 Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro
 180 185 190
 Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly
 195 200 205
 Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro
 210 215 220
 Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
 225 230 235 240
 Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
 245 250 255
 Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
 260 265 270
 Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala
 275 280 285
 Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
 290 295 300
 Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
 305 310 315 320

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Ile Gly Pro Pro Gly₃₂₅ Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln
 330
 Gly Met Pro Gly₃₄₀ Glu Arg Gly Ala Ala₃₄₅ Gly Leu Pro Gly₃₅₀ Lys Gly
 Glu Arg Gly₃₅₅ Asp Ala Gly Pro Lys₃₆₀ Gly Ala Asp Gly Ala₃₆₅ Pro Gly Lys
 Asp Gly₃₇₀ Val Arg Gly Leu Ala₃₇₅ Gly Pro Pro Gly Ala₃₈₀ Pro Gly Leu Gln
 Gly₃₈₅ Ala Pro Gly Leu Gln₃₉₀ Gly Met Pro Gly Glu₃₉₅ Arg Gly Ala Ala Gly₄₀₀
 Leu Pro Gly Pro Lys₄₀₅ Gly Glu Arg Gly Asp₄₁₀ Ala Gly Pro Lys Gly₄₁₅ Ala
 Asp Gly Ala Pro₄₂₀ Gly Ala Pro Gly Leu₄₂₅ Gln Gly Met Pro Gly Glu Arg
 430
 Gly Ala Ala₄₃₅ Gly Leu Pro Gly Pro₄₄₀ Lys Gly Glu Arg Gly₄₄₅ Asp Ala Gly
 Pro Lys₄₅₀ Gly Ala Asp Gly Ala₄₅₅ Pro Gly Lys Asp Gly₄₆₀ Val Arg Gly Leu
 Ala Gly Pro Ile Gly Pro₄₇₀ Pro Gly Glu Arg Gly₄₇₅ Ala Ala Gly Leu Pro₄₈₀
 Gly Pro Lys Gly Glu₄₈₅ Arg Gly Asp Ala Gly₄₉₀ Pro Lys Gly Ala Asp₄₉₅ Gly
 Ala Pro Gly Lys₅₀₀ Asp Gly Val Arg Gly₅₀₅ Leu Ala Gly Pro Ile₅₁₀ Gly Pro
 Pro Gly Pro₅₁₅ Ala Gly Ala Pro Gly₅₂₀ Ala Pro Gly Leu Gln₅₂₅ Gly Met Pro
 Gly Glu Arg Gly Ala Ala Gly₅₃₅ Leu Pro Gly Pro Lys₅₄₀ Gly Glu Arg Gly
 Asp₅₄₅ Ala Gly Pro Lys Gly₅₅₀ Ala Asp Gly Ala Pro₅₅₅ Gly Lys Asp Gly Val₅₆₀
 Arg Gly Leu Ala Gly₅₆₅ Pro Pro Gly Ala Pro₅₇₀ Gly Leu Gln Gly Ala₅₇₅ Pro
 Gly Leu Gln Gly₅₈₀ Met Pro Gly Glu Arg₅₈₅ Gly Ala Ala Gly Leu₅₉₀ Pro Gly

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Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
595 600 605

Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
610 615 620

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
625 630 635 640

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
645 650 655

Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
660 665 670

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly
675 680 685

Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro
690 695 700

Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
705 710 715 720

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
725 730 735

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
740 745 750

Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln
755 760 765

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
770 775 780

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala
785 790 795 800

Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
805 810 815

Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
820 825 830

Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
835 840 845

Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
850 855 860

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
930 935 940

<400> 6

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
65 70 75 80

Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
130 135 140

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Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
145 150 155 160

Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
165 170 175

Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro
180 185 190

Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly
195 200 205

Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro
210 215 220

Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
225 230 235 240

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
245 250 255

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
260 265 270

Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala
275 280 285

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
290 295 300

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
305 310 315 320

Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln
325 330 335

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
340 345 350

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
355 360 365

Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln
370 375 380

Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly
385 390 395 400

Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala
405 410 415

Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg

420
 Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
 435 440 445
 Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
 450 455 460
 Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
 465 470 475 480
 Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
 485 490 495
 Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
 500 505 510
 Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
 515 520 525
 Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
 530 535 540
 Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
 545 550 555 560
 Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro
 565 570 575
 Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
 580 585 590
 Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
 595 600 605
 Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
 610 615 620
 Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
 625 630 635 640
 Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
 645 650 655
 Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
 660 665 670
 Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly
 675 680 685
 Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro
 690 695 700

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Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
705 710 715 720

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
725 730 735

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
740 745 750

Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln
755 760 765

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
770 775 780

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala
785 790 795 800

Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
805 810 815

Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
820 825 830

Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
835 840 845

Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
850 855 860

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly
865 870 875 880

Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala
885 890 895

Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
900 905 910

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
915 920 925

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
930 935 940

Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro
945 950 955 960

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
965 970 975

P6016292seq-PCT.txt

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu
980 985 990

Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
995 1000 1005

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro
1010 1015 1020

Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro
1025 1030 1035

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
1040 1045 1050

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp
1055 1060 1065

Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala
1070 1075 1080

Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
1085 1090 1095

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala
1100 1105 1110

Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg
1115 1120 1125

Gly Leu Ala Gly Pro Pro
1130

<210> 7
<211> 1323
<212> PRT
<213> Artificial

<220>
<223> CBE7

<400> 7

Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly
1 5 10 15

Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp
20 25 30

Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln
35 40 45

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
50 55 60

P6016292seq-PCT.txt

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
 65 70 75 80
 Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg
 85 90 95
 Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
 100 105 110
 Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
 115 120 125
 Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
 130 135 140
 Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
 145 150 155 160
 Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
 165 170 175
 Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro
 180 185 190
 Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly
 195 200 205
 Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro
 210 215 220
 Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
 225 230 235 240
 Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
 245 250 255
 Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
 260 265 270
 Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala
 275 280 285
 Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
 290 295 300
 Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
 305 310 315 320
 Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln
 325 330 335

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Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
 340 345 350
 Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
 355 360 365
 Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln
 370 375 380
 Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly
 385 390 395 400
 Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala
 405 410 415
 Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
 420 425 430
 Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
 435 440 445
 Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
 450 455 460
 Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
 465 470 475 480
 Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
 485 490 495
 Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
 500 505 510
 Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
 515 520 525
 Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
 530 535 540
 Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
 545 550 555 560
 Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro
 565 570 575
 Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
 580 585 590
 Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
 595 600 605

P6016292seq-PCT.txt

Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
610 615 620

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
625 630 635 640

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
645 650 655

Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
660 665 670

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly
675 680 685

Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro
690 695 700

Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
705 710 715 720

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
725 730 735

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
740 745 750

Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln
755 760 765

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
770 775 780

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala
785 790 795 800

Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
805 810 815

Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
820 825 830

Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
835 840 845

Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
850 855 860

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly
865 870 875 880

Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala

885

890

895

Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
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Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
 915 920 925

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
 930 935 940

Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro
 945 950 955 960

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
 965 970 975

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu
 980 985 990

Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
 995 1000 1005

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro
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Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro
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Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
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Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp
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Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala
 1070 1075 1080

Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
 1085 1090 1095

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala
 1100 1105 1110

Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg
 1115 1120 1125

Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro
 1130 1135 1140

Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
 1145 1150 1155

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Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp
 1160 1165 1170

Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
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Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala
 1190 1195 1200

Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg
 1205 1210 1215

Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala
 1220 1225 1230

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys
 1235 1240 1245

Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala
 1250 1255 1260

Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
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Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
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Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp
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Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro
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 20 25 30

Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln
 35 40 45

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
 Pagina 21

50

55

60

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
65 70 75 80

Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg
85 90 95

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
100 105 110

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
115 120 125

Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
130 135 140

Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
145 150 155 160

Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
165 170 175

Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro
180 185 190

Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly
195 200 205

Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro
210 215 220

Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
225 230 235 240

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
245 250 255

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
260 265 270

Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala
275 280 285

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
290 295 300

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
305 310 315 320

Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln
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Gly Met Pro Gly₃₄₀ Glu Arg Gly Ala Ala₃₄₅ Gly Leu Pro Gly₃₅₀ Pro Lys Gly

Glu Arg Gly₃₅₅ Asp Ala Gly Pro Lys₃₆₀ Gly Ala Asp Gly₃₆₅ Ala Pro Gly Lys

Asp Gly₃₇₀ Val Arg Gly Leu Ala₃₇₅ Gly Pro Pro Gly Ala₃₈₀ Pro Gly Leu Gln

Gly₃₈₅ Ala Pro Gly Leu Gln₃₉₀ Gly Met Pro Gly Glu₃₉₅ Arg Gly Ala Ala Gly₄₀₀

Leu Pro Gly Pro Lys₄₀₅ Gly Glu Arg Gly Asp₄₁₀ Ala Gly Pro Lys Gly₄₁₅ Ala

Asp Gly Ala Pro₄₂₀ Gly Ala Pro Gly Leu₄₂₅ Gln Gly Met Pro Gly₄₃₀ Glu Arg

Gly Ala Ala₄₃₅ Gly Leu Pro Gly Pro₄₄₀ Lys Gly Glu Arg Gly₄₄₅ Asp Ala Gly

Pro Lys₄₅₀ Gly Ala Asp Gly Ala₄₅₅ Pro Gly Lys Asp Gly₄₆₀ Val Arg Gly Leu

Ala Gly Pro Ile Gly Pro₄₇₀ Pro Gly Glu Arg Gly₄₇₅ Ala Ala Gly Leu Pro₄₈₀

Gly Pro Lys Gly Glu₄₈₅ Arg Gly Asp Ala Gly₄₉₀ Pro Lys Gly Ala Asp₄₉₅ Gly

Ala Pro Gly Lys₅₀₀ Asp Gly Val Arg Gly₅₀₅ Leu Ala Gly Pro Ile₅₁₀ Gly Pro

Pro Gly Pro₅₁₅ Ala Gly Ala Pro Gly₅₂₀ Ala Pro Gly Leu Gln₅₂₅ Gly Met Pro

Gly Glu Arg Gly Ala Ala Gly₅₃₅ Leu Pro Gly Pro Lys₅₄₀ Gly Glu Arg Gly

Asp₅₄₅ Ala Gly Pro Lys Gly₅₅₀ Ala Asp Gly Ala Pro₅₅₅ Gly Lys Asp Gly Val₅₆₀

Arg Gly Leu Ala Gly₅₆₅ Pro Pro Gly Ala Pro₅₇₀ Gly Leu Gln Gly₅₇₅ Ala Pro

Gly Leu Gln Gly₅₈₀ Met Pro Gly Glu Arg₅₈₅ Gly Ala Ala Gly Leu₅₉₀ Pro Gly

Pro Lys Gly₅₉₅ Glu Arg Gly Asp Ala₆₀₀ Gly Pro Lys Gly Ala₆₀₅ Asp Gly Ala

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Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
610 615 620

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
625 630 635 640

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
645 650 655

Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
660 665 670

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly
675 680 685

Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro
690 695 700

Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
705 710 715 720

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
725 730 735

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
740 745 750

Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln
755 760 765

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
770 775 780

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala
785 790 795 800

Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
805 810 815

Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
820 825 830

Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
835 840 845

Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
850 855 860

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly
865 870 875 880

P6016292seq-PCT.txt

Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala
885 890 895

Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
900 905 910

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
915 920 925

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
930 935 940

Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro
945 950 955 960

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
965 970 975

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu
980 985 990

Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
995 1000 1005

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro
1010 1015 1020

Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro
1025 1030 1035

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
1040 1045 1050

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp
1055 1060 1065

Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala
1070 1075 1080

Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
1085 1090 1095

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala
1100 1105 1110

Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg
1115 1120 1125

Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro
1130 1135 1140

Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro

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1340						1345					1350				
Gly	Asp	Ala	Gly	Pro	Lys	Gly	Ala	Asp	Gly	Ala	Pro	Gly	Ala	Pro	
1355						1360					1365				
Gly	Leu	Gln	Gly	Met	Pro	Gly	Glu	Arg	Gly	Ala	Ala	Gly	Leu	Pro	
1370						1375					1380				
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P6016292seq-PCT.txt

Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
1415 1420 1425

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro
1430 1435 1440

Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro
1445 1450 1455

Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
1460 1465 1470

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
1475 1480 1485

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp
1490 1495 1500

Gly Val Arg Gly Leu Ala Gly Pro Pro
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Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln
35 40 45

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
50 55 60

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
65 70 75 80

Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg
85 90 95

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
100 105 110

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
Pagina 27

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Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala
 405 410 415
 Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
 420 425 430
 Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
 435 440 445
 Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
 450 455 460
 Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
 465 470 475 480
 Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
 485 490 495
 Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
 500 505 510
 Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
 515 520 525
 Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
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 Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
 545 550 555 560
 Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro
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 580 585 590
 Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
 595 600 605
 Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
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 Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
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 Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
 645 650 655
 Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
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P6016292seq-PCT.txt

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly
675 680 685

Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro
690 695 700

Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
705 710 715 720

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
725 730 735

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
740 745 750

Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln
755 760 765

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
770 775 780

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala
785 790 795 800

Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
805 810 815

Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
820 825 830

Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
835 840 845

Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
850 855 860

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly
865 870 875 880

Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala
885 890 895

Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
900 905 910

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
915 920 925

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
930 935 940

P6016292seq-PCT.txt

Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro
945 950 955 960

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
965 970 975

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu
980 985 990

Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
995 1000 1005

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro
1010 1015 1020

Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro
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Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
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Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp
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Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala
1070 1075 1080

Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
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Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala
1100 1105 1110

Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg
1115 1120 1125

Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro
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Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp
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Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
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Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala
1190 1195 1200

Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg

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Gly	Leu	Gln	Gly	Met	Pro	Gly	Glu	Arg	Gly	Ala	Ala	Gly	Leu	Pro	
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P6016292seq-PCT.txt

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1475 1480 1485

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp
1490 1495 1500

Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln
1505 1510 1515

Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
1520 1525 1530

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys
1535 1540 1545

Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
1550 1555 1560

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
1565 1570 1575

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp
1580 1585 1590

Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg
1595 1600 1605

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala
1610 1615 1620

Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg
1625 1630 1635

Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro
1640 1645 1650

Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
1655 1660 1665

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys
1670 1675 1680

Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala
1685 1690 1695

Gly Pro Pro
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35 40 45

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
50 55 60

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys
65 70 75 80

Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Glu Arg
85 90 95

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
100 105 110

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
115 120 125

Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro Gly Ala Pro
130 135 140

Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
145 150 155 160

Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
165 170 175

Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro
180 185 190

Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly
195 200 205

Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro
210 215 220

Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro
225 230 235 240

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
245 250 255

P6016292seq-PCT.txt

Asp Ala Gly Pro₂₆₀ Lys Gly Ala Asp Gly₂₆₅ Ala Pro Gly Lys Asp Gly Val
 Arg Gly Leu₂₇₅ Ala Gly Pro Ile Gly₂₈₀ Pro Pro Gly Glu Arg Gly Ala Ala
 Gly Leu₂₉₀ Pro Gly Pro Lys Gly₂₉₅ Glu Arg Gly Asp Ala₃₀₀ Gly Pro Lys Gly
 Ala Asp Gly Ala Pro Gly₃₁₀ Lys Asp Gly Val Arg Gly₃₁₅ Leu Ala Gly Pro₃₂₀
 Ile Gly Pro Pro Gly₃₂₅ Pro Ala Gly Ala Pro Gly₃₃₀ Ala Pro Gly Leu Gln₃₃₅
 Gly Met Pro Gly₃₄₀ Glu Arg Gly Ala Ala₃₄₅ Gly Leu Pro Gly₃₅₀ Pro Lys Gly
 Glu Arg Gly₃₅₅ Asp Ala Gly Pro Lys₃₆₀ Gly Ala Asp Gly Ala₃₆₅ Pro Gly Lys
 Asp Gly Val Arg Gly Leu Ala₃₇₅ Gly Pro Pro Gly Ala₃₈₀ Pro Gly Leu Gln
 Gly Ala Pro Gly Leu Gln₃₉₀ Gly Met Pro Gly Glu₃₉₅ Arg Gly Ala Ala Gly₄₀₀
 Leu Pro Gly Pro Lys₄₀₅ Gly Glu Arg Gly Asp₄₁₀ Ala Gly Pro Lys Gly₄₁₅ Ala
 Asp Gly Ala Pro₄₂₀ Gly Ala Pro Gly Leu Gln Gly Met Pro Gly₄₃₀ Glu Arg
 Gly Ala Ala₄₃₅ Gly Leu Pro Gly Pro₄₄₀ Lys Gly Glu Arg Gly₄₄₅ Asp Ala Gly
 Pro Lys₄₅₀ Gly Ala Asp Gly Ala₄₅₅ Pro Gly Lys Asp Gly₄₆₀ Val Arg Gly Leu
 Ala Gly Pro Ile Gly Pro₄₇₀ Pro Gly Glu Arg Gly₄₇₅ Ala Ala Gly Leu Pro₄₈₀
 Gly Pro Lys Gly Glu₄₈₅ Arg Gly Asp Ala Gly₄₉₀ Pro Lys Gly Ala Asp Gly₄₉₅
 Ala Pro Gly Lys₅₀₀ Asp Gly Val Arg Gly₅₀₅ Leu Ala Gly Pro Ile Gly Pro₅₁₀
 Pro Gly Pro₅₁₅ Ala Gly Ala Pro Gly₅₂₀ Ala Pro Gly Leu Gln₅₂₅ Gly Met Pro

P6016292seq-PCT.txt

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
530 535 540

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
545 550 555 560

Arg Gly Leu Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro
565 570 575

Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
580 585 590

Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
595 600 605

Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
610 615 620

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
625 630 635 640

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
645 650 655

Ile Gly Pro Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
660 665 670

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly
675 680 685

Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro
690 695 700

Ala Gly Ala Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg
705 710 715 720

Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly
725 730 735

Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu
740 745 750

Ala Gly Pro Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln
755 760 765

Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly
770 775 780

Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala
785 790 795 800

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Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro
805 810 815

Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly
820 825 830

Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro
835 840 845

Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
850 855 860

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly
865 870 875 880

Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala
885 890 895

Pro Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala
900 905 910

Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly
915 920 925

Ala Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro
930 935 940

Pro Gly Ala Pro Gly Leu Gln Gly Ala Pro Gly Leu Gln Gly Met Pro
945 950 955 960

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
965 970 975

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro Gly Leu
980 985 990

Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
995 1000 1005

Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro
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Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro
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Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg
1040 1045 1050

Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp
1055 1060 1065

Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala

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Gly	Ala	Pro	Gly	Ala	Pro	Gly	Leu	Gln	Gly	Met	Pro	Gly
1085						1090					1095	Glu Arg
Gly	Ala	Ala	Gly	Leu	Pro	Gly	Pro	Lys	Gly	Glu	Arg	Gly
1100						1105					1110	Asp Ala
Gly	Pro	Lys	Gly	Ala	Asp	Gly	Ala	Pro	Gly	Lys	Asp	Gly
1115						1120					1125	Val Arg
Gly	Leu	Ala	Gly	Pro	Pro	Gly	Ala	Pro	Gly	Leu	Gln	Gly
1130						1135					1140	Ala Pro
Gly	Leu	Gln	Gly	Met	Pro	Gly	Glu	Arg	Gly	Ala	Ala	Gly
1145						1150					1155	Leu Pro
Gly	Pro	Lys	Gly	Glu	Arg	Gly	Asp	Ala	Gly	Pro	Lys	Gly
1160						1165					1170	Ala Asp
Gly	Ala	Pro	Gly	Ala	Pro	Gly	Leu	Gln	Gly	Met	Pro	Gly
1175						1180					1185	Glu Arg
Gly	Ala	Ala	Gly	Leu	Pro	Gly	Pro	Lys	Gly	Glu	Arg	Gly
1190						1195					1200	Asp Ala
Gly	Pro	Lys	Gly	Ala	Asp	Gly	Ala	Pro	Gly	Lys	Asp	Gly
1205						1210					1215	Val Arg
Gly	Leu	Ala	Gly	Pro	Ile	Gly	Pro	Pro	Gly	Glu	Arg	Gly
1220						1225					1230	Ala Ala
Gly	Leu	Pro	Gly	Pro	Lys	Gly	Glu	Arg	Gly	Asp	Ala	Gly
1235						1240					1245	Pro Lys
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1250						1255					1260	Leu Ala
Gly	Pro	Ile	Gly	Pro	Pro	Gly	Pro	Ala	Gly	Ala	Pro	Gly
1265						1270					1275	Ala Pro
Gly	Leu	Gln	Gly	Met	Pro	Gly	Glu	Arg	Gly	Ala	Ala	Gly
1280						1285					1290	Leu Pro
Gly	Pro	Lys	Gly	Glu	Arg	Gly	Asp	Ala	Gly	Pro	Lys	Gly
1295						1300					1305	Ala Asp
Gly	Ala	Pro	Gly	Lys	Asp	Gly	Val	Arg	Gly	Leu	Ala	Gly
1310						1315					1320	Pro Pro
Gly	Ala	Pro	Gly	Leu	Gln	Gly	Ala	Pro	Gly	Leu	Gln	Gly
1325						1330					1335	Met Pro

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Gly	Glu	Arg	Gly	Ala	Ala	Gly	Leu	Pro	Gly	Pro	Lys	Gly	Glu	Arg
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Gly	Asp	Ala	Gly	Pro	Lys	Gly	Ala	Asp	Gly	Ala	Pro	Gly	Ala	Pro
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Gly	Leu	Gln	Gly	Met	Pro	Gly	Glu	Arg	Gly	Ala	Ala	Gly	Leu	Pro
	1370					1375					1380			
Gly	Pro	Lys	Gly	Glu	Arg	Gly	Asp	Ala	Gly	Pro	Lys	Gly	Ala	Asp
	1385					1390					1395			
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	1415					1420					1425			
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	1430					1435					1440			
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	1460					1465					1470			
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	1475					1480					1485			
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	1505					1510					1515			
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	1535					1540					1545			
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	1550					1555					1560			
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	1565					1570					1575			
Gly	Asp	Ala	Gly	Pro	Lys	Gly	Ala	Asp	Gly	Ala	Pro	Gly	Lys	Asp
	1580					1585					1590			

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Gly Val 1595	Arg Gly Leu Ala	Gly 1600	Pro Ile Gly Pro	Pro 1605	Gly Glu Arg
Gly Ala 1610	Ala Gly Leu Pro	Gly 1615	Pro Lys Gly Glu	Arg 1620	Gly Asp Ala
Gly Pro 1625	Lys Gly Ala Asp	Gly 1630	Ala Pro Gly Lys	Asp 1635	Gly Val Arg
Gly Leu 1640	Ala Gly Pro Ile	Gly 1645	Pro Pro Gly Pro	Ala 1650	Gly Ala Pro
Gly Ala 1655	Pro Gly Leu Gln	Gly 1660	Met Pro Gly Glu	Arg 1665	Gly Ala Ala
Gly Leu 1670	Pro Gly Pro Lys	Gly 1675	Glu Arg Gly Asp	Ala 1680	Gly Pro Lys
Gly Ala 1685	Asp Gly Ala Pro	Gly 1690	Lys Asp Gly Val	Arg 1695	Gly Leu Ala
Gly Pro 1700	Pro Gly Ala Pro	Gly 1705	Leu Gln Gly Ala	Pro 1710	Gly Leu Gln
Gly Met 1715	Pro Gly Glu Arg	Gly 1720	Ala Ala Gly Leu	Pro 1725	Gly Pro Lys
Gly Glu 1730	Arg Gly Asp Ala	Gly 1735	Pro Lys Gly Ala	Asp 1740	Gly Ala Pro
Gly Ala 1745	Pro Gly Leu Gln	Gly 1750	Met Pro Gly Glu	Arg 1755	Gly Ala Ala
Gly Leu 1760	Pro Gly Pro Lys	Gly 1765	Glu Arg Gly Asp	Ala 1770	Gly Pro Lys
Gly Ala 1775	Asp Gly Ala Pro	Gly 1780	Lys Asp Gly Val	Arg 1785	Gly Leu Ala
Gly Pro 1790	Ile Gly Pro Pro	Gly 1795	Glu Arg Gly Ala	Ala 1800	Gly Leu Pro
Gly Pro 1805	Lys Gly Glu Arg	Gly 1810	Asp Ala Gly Pro	Lys 1815	Gly Ala Asp
Gly Ala 1820	Pro Gly Lys Asp	Gly 1825	Val Arg Gly Leu	Ala 1830	Gly Pro Ile
Gly Pro 1835	Pro Gly Pro Ala	Gly 1840	Ala Pro Gly Ala	Pro 1845	Gly Leu Gln

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Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys
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Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro
1865 1870 1875

Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Pro
1880 1885 1890

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Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu
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Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Ala Pro
35 40 45

Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly
50 55 60

Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala
65 70 75 80

Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro
85 90 95

Gly Glu Arg Gly Ala Ala Gly Leu Pro Gly Pro Lys Gly Glu Arg Gly
100 105 110

Asp Ala Gly Pro Lys Gly Ala Asp Gly Ala Pro Gly Lys Asp Gly Val
115 120 125

Arg Gly Leu Ala Gly Pro Ile Gly Pro Pro Gly Pro Ala Gly Ala Pro
130 135 140

Gly Ala Pro Gly Leu Gln Gly Met Pro Gly Glu Arg Gly Ala Ala Gly
145 150 155 160

Leu Pro Gly Pro Lys Gly Glu Arg Gly Asp Ala Gly Pro Lys Gly Ala
165 170 175

Asp Gly Ala Pro Gly Lys Asp Gly Val Arg Gly Leu Ala Gly Pro Ile
180 185 190

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