

PhoenixTemp43055.tmp.txt
SEQUENCE LISTING

<110> Sanofi Pasteur
<120> Polypeptide recognized by anti HIV-1 gp41 antibodies isolated from highly exposed non infected women
<130> PM 0701
<160> 8
<170> PatentIn version 3.3
<210> 1
<211> 28
<212> PRT
<213> Artificial
<220>
<223> Polypeptide 181-208 from gp41 HIV1
<400> 1

Leu Val Gly Leu Arg Ile Val Phe Ala Val Leu Ser Ile Val Asn Arg
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Val Arg Gln Gly Tyr Ser Pro Leu Ser Phe Gln Thr
20 25

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<213> Human immunodeficiency virus type 1

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<223> gp41 of isolate HXB2

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Ala Val Gly Ile Gly Ala Leu Phe Leu Gly Phe Leu Gly Ala Ala Gly
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Ser Thr Met Gly Ala Ala Ser Met Thr Leu Thr Val Gln Ala Arg Gln
20 25 30

Leu Leu Ser Gly Ile Val Gln Gln Gln Asn Asn Leu Leu Arg Ala Ile
35 40 45

Glu Ala Gln Gln His Leu Leu Gln Leu Thr Val Trp Gly Ile Lys Gln
50 55 60

Leu Gln Ala Arg Ile Leu Ala Val Glu Arg Tyr Leu Lys Asp Gln Gln
65 70 75 80

Leu Leu Gly Ile Trp Gly Cys Ser Gly Lys Leu Ile Cys Thr Thr Ala
 85 90 95
 Val Pro Trp Asn Ala Ser Trp Ser Asn Lys Ser Leu Glu Gln Ile Trp
 100 105 110
 Asn His Thr Thr Trp Met Glu Trp Asp Arg Glu Ile Asn Asn Tyr Thr
 115 120 125
 Ser Leu Ile His Ser Leu Ile Glu Glu Ser Gln Asn Gln Gln Glu Lys
 130 135 140
 Asn Glu Gln Glu Leu Leu Glu Leu Asp Lys Trp Ala Ser Leu Trp Asn
 145 150 155 160
 Trp Phe Asn Ile Thr Asn Trp Leu Trp Tyr Ile Lys Leu Phe Ile Met
 165 170 175
 Ile Val Gly Gly Leu Val Gly Leu Arg Ile Val Phe Ala Val Leu Ser
 180 185 190
 Ile Val Asn Arg Val Arg Gln Gly Tyr Ser Pro Leu Ser Phe Gln Thr
 195 200 205
 His Leu Pro Thr Pro Arg Gly Pro Asp Arg Pro Glu Gly Ile Glu Glu
 210 215 220
 Glu Gly Gly Glu Arg Asp Arg Asp Arg Ser Ile Arg Leu Val Asn Gly
 225 230 235 240
 Ser Leu Ala Leu Ile Trp Asp Asp Leu Arg Ser Leu Cys Leu Phe Ser
 245 250 255
 Tyr His Arg Leu Arg Asp Leu Leu Leu Ile Val Thr Arg Ile Val Glu
 260 265 270
 Leu Leu Gly Arg Arg Gly Trp Glu Ala Leu Lys Tyr Trp Trp Asn Leu
 275 280 285
 Leu Gln Tyr Trp Ser Gln Glu Leu Lys Asn Ser Ala Val Ser Leu Leu
 290 295 300
 Asn Ala Thr Ala Ile Ala Val Ala Glu Gly Thr Asp Arg Val Ile Glu
 305 310 315 320
 Val Val Gln Gly Ala Cys Arg Ala Ile Arg His Ile Pro Arg Arg Ile
 325 330 335
 Arg Gln Gly Leu Glu Arg Ile Leu Leu
 340 345

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<211> 114
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<223> VL variable region sequence

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Glu Leu Thr Gln Pro Ser Ser Leu Ser Ala Ser Pro Gly Ala Ser Ala
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Ser Leu Thr Cys Thr Leu Arg Ser Gly Ile Asn Val Gly Thr Tyr Arg
20 25 30

Ile Tyr Trp Tyr Gln Gln Lys Pro Gly Ser Pro Pro Gln Phe Leu Leu
35 40 45

Arg Tyr Lys Ser Asp Ser Asp Lys Glu Gln Gly Ser Gly Val Pro Arg
50 55 60

Arg Phe Ser Gly Ser Lys Asp Ala Ser Ala Asn Ala Gly Ile Leu Leu
65 70 75 80

Ile Ser Gly Leu Gln Ser Glu Asp Glu Ala Asp Tyr Tyr Cys Met Ile
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Trp His Ser Gly Ala Trp Val Phe Gly Gly Gly Thr Lys Leu Thr Val
100 105 110

Leu Ser

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<223> VH variable region sequence

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Leu Glu Ser Gly Gly Gly Met Val Gln Pro Gly Arg Ser Leu Arg Leu
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Ser Cys Ala Val Ser Gly Phe Thr Phe Asp Asp Tyr Ala Met His Trp
20 25 30

Ile Arg Gln Val Pro Gly Lys Gly Leu Glu Trp Val Ala Gly Ile Ser
35 40 45

Trp Asn Ser Val Lys Val Asp Tyr Ala Asp Ala Val Arg Gly Arg Phe
50 55 60

Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu His Leu Glu Met Ser
65 70 75 80

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Asn Leu Arg Arg Asp Asp Thr Ala Phe Tyr Phe Cys Ala Lys Asp Gly
85 90 95

Gly Pro Gly Met Thr Ile Gly Gly Tyr Val Val Thr Gly Arg Phe Asp
100 105 110

Pro Trp Gly Gln Gly Thr Leu Val His Val Ser Ser
115 120

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<211> 28
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Val Arg Gln Gly Tyr Ser Pro Leu Ser Phe Gln Thr
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 Val Arg Gln Gly Tyr Ser Pro Xaa Ser Xaa Gln Xaa
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<222> (13)..(13)
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 <222> (27)..(27)
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Leu Xaa Gly Leu Arg Ile Val Phe Xaa Xaa Leu Ser Xaa Xaa Xaa Xaa
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Arg Val Arg Gln Gly Tyr Ser Pro Xaa Ser Xaa Gln Thr
 20 25

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<222> (5)..(5)

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<222> (6)..(6)

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<222> (7)..(7)

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<222> (9)..(9)

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<400> 8

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa

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