

SEQUENCE LISTING

<110> F. Hoffmann-La Roche AG
 <120> LXR ligand binding domain (LXR LBD) crystals
 <130> 24783 WO
 <150> EP08152843.2
 <151> 2008-03-17
 <160> 8
 <170> PatentIn version 3.5
 <210> 1
 <211> 461
 <212> PRT
 <213> Homo sapiens
 <400> 1

Met Ser Ser Pro Thr Thr Ser Ser Leu Asp Thr Pro Leu Pro Gly Asn
 1 5 10 15

Gly Pro Pro Gln Pro Gly Ala Pro Ser Ser Ser Pro Thr Val Lys Glu
 20 25 30

Glu Gly Pro Glu Pro Trp Pro Gly Gly Pro Asp Pro Asp Val Pro Gly
 35 40 45

Thr Asp Glu Ala Ser Ser Ala Cys Ser Thr Asp Trp Val Ile Pro Asp
 50 55 60

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

Met Leu Gly His Glu Leu Cys Arg Val Cys Gly Asp Lys Ala Ser Gly
 85 90 95

Phe His Tyr Asn Val Leu Ser Cys Glu Gly Cys Lys Gly Phe Phe Arg
 100 105 110

Arg Ser Val Val Arg Gly Gly Ala Arg Arg Tyr Ala Cys Arg Gly Gly
 115 120 125

Gly Thr Cys Gln Met Asp Ala Phe Met Arg Arg Lys Cys Gln Gln Cys
 130 135 140

Arg Leu Arg Lys Cys Lys Glu Ala Gly Met Arg Glu Gln Cys Val Leu
 145 150 155 160

Ser Glu Glu Gln Ile Arg Lys Lys Lys Ile Arg Lys Gln Gln Gln Gln

165	170	175
Glu Ser Gln Ser Gln Ser Gln Ser	Pro Val Gly Pro Gln Gly Ser Ser	
180	185	190
Ser Ser Ala Ser Gly Pro Gly Ala Ser Pro Gly Gly Ser Glu Ala Gly		
195	200	205
Ser Gln Gly Ser Gly Glu Gly Glu Gly Val Gln Leu Thr Ala Ala Gln		
210	215	220
Glu Leu Met Ile Gln Gln Leu Val Ala Ala Gln Leu Gln Cys Asn Lys		
225	230	240
Arg Ser Phe Ser Asp Gln Pro Lys Val Thr Pro Trp Pro Leu Gly Ala		
245	250	255
Asp Pro Gln Ser Arg Asp Ala Arg Gln Gln Arg Phe Ala His Phe Thr		
260	265	270
Glu Leu Ala Ile Ile Ser Val Gln Glu Ile Val Asp Phe Ala Lys Gln		
275	280	285
Val Pro Gly Phe Leu Gln Leu Gly Arg Glu Asp Gln Ile Ala Leu Leu		
290	295	300
Lys Ala Ser Thr Ile Glu Ile Met Leu Leu Glu Thr Ala Arg Arg Tyr		
305	310	315
Asn His Glu Thr Glu Cys Ile Thr Phe Leu Lys Asp Phe Thr Tyr Ser		
325	330	335
Lys Asp Asp Phe His Arg Ala Gly Leu Gln Val Glu Phe Ile Asn Pro		
340	345	350
Ile Phe Glu Phe Ser Arg Ala Met Arg Arg Leu Gly Leu Asp Asp Ala		
355	360	365
Glu Tyr Ala Leu Leu Ile Ala Ile Asn Ile Phe Ser Ala Asp Arg Pro		
370	375	380
Asn Val Gln Glu Pro Gly Arg Val Glu Ala Leu Gln Gln Pro Tyr Val		
385	390	395
Glu Ala Leu Leu Ser Tyr Thr Arg Ile Lys Arg Pro Gln Asp Gln Leu		
405	410	415

Arg Phe Pro Arg Met Leu Met Lys Leu Val Ser Leu Arg Thr Leu Ser
420 425 430

Ser Val His Ser Glu Gln Val Phe Ala Leu Arg Leu Gln Asp Lys Lys
435 440 445

Leu Pro Pro Leu Leu Ser Glu Ile Trp Asp Val His Glu
450 455 460

<210> 2
<211> 295
<212> PRT
<213> Artificial

<220>
<223> Fusion protein

<400> 2

Met Arg Gly Ser His His His His His His Gly Met Ala Ser Met Thr
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Gly Gly Gln Gln Met Gly Arg Asp Leu Tyr Asp Asp Asp Asp Lys Asp
20 25 30

Leu Val Pro Arg Gly Ser Pro Thr Leu Gly Ser Gln Gly Ser Gly Glu
35 40 45

Gly Glu Gly Val Gln Leu Thr Ala Ala Gln Glu Leu Met Ile Gln Gln
50 55 60

Leu Val Ala Ala Gln Leu Gln Cys Asn Lys Arg Ser Phe Ser Asp Gln
65 70 75 80

Pro Lys Val Thr Pro Trp Pro Leu Gly Ala Asp Pro Gln Ser Arg Asp
85 90 95

Ala Arg Gln Gln Arg Phe Ala His Phe Thr Glu Leu Ala Ile Ile Ser
100 105 110

Val Gln Glu Ile Val Asp Phe Ala Lys Gln Val Pro Gly Phe Leu Gln
115 120 125

Leu Gly Arg Glu Asp Gln Ile Ala Leu Leu Lys Ala Ser Thr Ile Glu
130 135 140

Ile Met Leu Leu Glu Thr Ala Arg Arg Tyr Asn His Glu Thr Glu Cys
145 150 155 160

Ile Thr Phe Leu Lys Asp Phe Thr Tyr Ser Lys Asp Asp Phe His Arg

165

170

175

Ala Gly Leu Gln Val Glu Phe Ile Asn Pro Ile Phe Glu Phe Ser Arg
 180 185 190

Ala Met Arg Arg Leu Gly Leu Asp Asp Ala Glu Tyr Ala Leu Leu Ile
 195 200 205

Ala Ile Asn Ile Phe Ser Ala Asp Arg Pro Asn Val Gln Glu Pro Gly
 210 215 220

Arg Val Glu Ala Leu Gln Gln Pro Tyr Val Glu Ala Leu Leu Ser Tyr
 225 230 235 240

Thr Arg Ile Lys Arg Pro Gln Asp Gln Leu Arg Phe Pro Arg Met Leu
 245 250 255

Met Lys Leu Val Ser Leu Arg Thr Leu Ser Ser Val His Ser Glu Gln
 260 265 270

Val Phe Ala Leu Arg Leu Gln Asp Lys Lys Leu Pro Pro Leu Leu Ser
 275 280 285

Glu Ile Trp Asp Val His Glu
 290 295

<210> 3
 <211> 13
 <212> PRT
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<220>
 <223> Co activator peptide

<400> 3

Lys Asp His Gln Leu Leu Arg Tyr Leu Leu Asp Lys Asp
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<210> 4
 <211> 13
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<220>
 <223> Co activator peptide

<400> 4

Glu Arg His Lys Ile Leu His Arg Leu Leu Gln Glu Gly
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<210> 5
 <211> 24
 <212> DNA
 <213> Artificial

 <220>
 <223> PCR primer

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 ggcagccagg gctccgggga aggc 24

 <210> 6
 <211> 27
 <212> DNA
 <213> Artificial

 <220>
 <223> PCR primer

 <400> 6
 ggtggatccc ctggactggg gcttatc 27

 <210> 7
 <211> 45
 <212> DNA
 <213> Artificial

 <220>
 <223> PCR primer

 <400> 7
 gacgatgacg ataaggatct ggttccgcgt ggatccccaa ccctt 45

 <210> 8
 <211> 45
 <212> DNA
 <213> Artificial

 <220>
 <223> PCR primer

 <400> 8
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