

180227 PAT057035-WO-PCT Listado de Secuencias
LISTADO DE SECUENCIAS

<110> NOVARTIS AG

<120> MOLÉCULAS DE UNIÓN A LINFOPOYETINA ESTROMAL TIMICA (TSLP) Y MÉTODOS DE USO DE LAS MOLÉCULAS

<130>

<140>

<141>

<150> 62/342,511

<151> 2016-05-27

<150> 62/216,050

<151> 2015-09-09

<160> 43

<170> PatentIn version 3.5

<210> 1

<211> 10

<212> PRT

<213> Secuencia Artificial

<220>

<223> Descripción de la Secuencia Artificial:
Péptido Sintético

<400> 1

Gly	Phe	Thr	Phe	Ser	Asp	Tyr	Trp	Met	His
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<210> 2

<211> 19

<212> PRT

<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
Péptido Sintético

<400> 2

His	Ile	Lys	Ser	Lys	Thr	Asp	Ala	Gly	Thr	Thr	Asp	Tyr	Ala	Ala	Pro
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Val Lys Gly

<210> 3

<211> 9

<212> PRT

<213> Secuencia Artificial

<220>

<223> Descripción de la Secuencia Artificial:
Péptido Sintético

<400> 3

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Glu Ile Tyr Tyr Tyr Ala Phe Asp Ser
1 5

<210> 4
<211> 5
<212> PRT
<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
Péptido Sintético

<400> 4
Asp Tyr Trp Met His
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<210> 5
<211> 7
<212> PRT
<213> Secuencia Artificial

<220>
<223> Descripción de la Secuencia Artificial:
Péptido Sintético

<400> 5
Gly Phe Thr Phe Ser Asp Tyr
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<210> 6
<211> 8
<212> PRT
<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
Péptido Sintético

<400> 6
Lys Ser Lys Thr Asp Ala Gly Thr
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<210> 7
<211> 120
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<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
polipéptido Sintético

<400> 7
Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
20 25 30

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Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Gly His Ile Lys Ser Lys Thr Asp Ala Gly Thr Thr Asp Tyr Ala Ala
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Ala Arg Glu Ile Tyr Tyr Tyr Ala Phe Asp Ser Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 8
<211> 360
<212> ADN
<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
Polinucleótido Sintético

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cctggtaaag gcttggagtg ggctcggacac attaatgtcta agaccgacgc cggcactacc	180
gactacgccg ctcccgttaa gggccggttc actatctcta gggacgactc taagaacacc	240
ctctaccttc aaatgaatag ccttaagacc gaggacaccg ccgtctacta ctgcgctaga	300
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<210> 9
<211> 450
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<223> Descripción de la Secuencia Artificial: Synthetic
Polipeptido Sintético

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1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr

20 Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
 35 40 45
 Gly His Ile Lys Ser Lys Thr Asp Ala Gly Thr Thr Asp Tyr Ala Ala
 50 55 60
 Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
 65 70 75 80
 Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
 85 90 95
 Tyr Cys Ala Arg Glu Ile Tyr Tyr Tyr Ala Phe Asp Ser Trp Gly Gln
 100 105 110
 Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
 115 120 125
 Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
 130 135 140
 Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
 145 150 155 160
 Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
 165 170 175
 Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
 180 185 190
 Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
 195 200 205
 Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys Asp
 210 215 220
 Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly
 225 230 235 240
 Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile
 245 250 255
 Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser His Glu
 260 265 270

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Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val Glu Val His
275 280 285

Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser Thr Tyr Arg
290 295 300

Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn Gly Lys
305 310 315 320

Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Glu
325 330 335

Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr
340 345 350

Thr Leu Pro Pro Ser Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu
355 360 365

Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp
370 375 380

Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Val
385 390 395 400

Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp
405 410 415

Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser Val Met His
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Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro
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Gly Lys
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<210> 10

<211> 1350

<212> ADN

<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
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cctggtaaaag gcttggagtg ggctcgacac attaatgcta agaccgacgc cggcactacc 180

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gaaatctact actacgcctt cgatagctgg ggtcaaggca ccctcgtgac cgtgtctagc	360
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atgaccaaga accaggtgtc cctgacctgt ctggtgaagg gcttctaccc cagcgatatc	1140
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<212> PRT

<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
Péptido Sintético

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Ser Gly Asp Asn Ile Gly Ser Lys Tyr Val His
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<210> 12

<211> 7

<212> PRT

<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:

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Péptido Sintético

<400> 12

Gly Asp Asn Glu Arg Pro Ser
1 5

<210> 13

<211> 10

<212> PRT

<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
Péptido Sintético

<400> 13

Gln Ala Ala Asp Trp Val Asp Phe Tyr Val
1 5 10

<210> 14

<211> 7

<212> PRT

<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
Péptido Sintético

<400> 14

Asp Asn Ile Gly Ser Lys Tyr
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<210> 15

<211> 3

<212> PRT

<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
Péptido Sintético

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Gly Asp Asn
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<210> 16

<211> 7

<212> PRT

<213> Secuencia Artificial

<220>

<223> Descripción de la Secuencia Artificial:
Péptido Sintético

<400> 16

Ala Asp Trp Val Asp Phe Tyr
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<210> 17
 <211> 107
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 <223> Descripción de la Secuencia Artificial:
 Polipéptido Sintético

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 Thr Ala Arg Ile Thr Cys Ser Gly Asp Asn Ile Gly Ser Lys Tyr Val
 20 25 30

 His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
 35 40 45

 Gly Asp Asn Glu Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
 50 55 60

 Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Ala Gln Ala Gly
 65 70 75 80

 Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Ala Asp Trp Val Asp Phe Tyr
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 Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu
 100 105

<210> 18
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 <223> Descripción de la Secuencia Artificial:
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 caagcccccg tgctcgtgat ctacggcgat aacgagcggc ctagcggaat ccccgagcgg 180
 ttttagcggct ctaatagcgg taacaccgct accctgacta tctctagggc tcaggccggc 240
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 <211> 213
 <212> PRT

<213> Secuencia Artificial

<220>

<223> Descripción de la Secuencia Artificial:
Polipéptido Sintético

<400> 19

Ser Tyr Glu Leu Thr Gln Pro Leu Ser Val Ser Val Ala Leu Gly Gln
1 5 10 15Thr Ala Arg Ile Thr Cys Ser Gly Asp Asn Ile Gly Ser Lys Tyr Val
20 25 30His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
35 40 45Gly Asp Asn Glu Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
50 55 60Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Ala Gln Ala Gly
65 70 75 80Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Ala Asp Trp Val Asp Phe Tyr
85 90 95Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys Ala
100 105 110Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln Ala
115 120 125Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro Gly Ala
130 135 140Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys Ala Gly Val
145 150 155 160Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala Ser
165 170 175Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser Tyr
180 185 190Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val Ala
195 200 205Pro Thr Glu Cys Ser
210

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<210> 20
 <211> 639
 <212> ADN
 <213> Secuencia Artificial

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 <223> Descripción de la Secuencia Artificial:
 Polinucleótido Sintético

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 caagcccccg tgctcgtgat ctacggcgat aacgagcggc ctagcggaat ccccgagcgg 180
 ttttagcggc ctaatagcgg taacaccgct accctgacta tctctagggc tcaggccggc 240
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 ggcactaagc tgaccgtgct gggtaacct aaggctgccc ccagcgtgac cctgttcccc 360
 cccagcagcg aggagctgca ggccaacaag gccaccctgg tgtgcctgat cagcgacttc 420
 taccagggcg ccgtgaccgt ggcctggaag gccgacagca gccccgtgaa ggccggcggtg 480
 gagaccacca ccccgagcaa gcagagcaac aacaagtacg ccgccagcag ctacctgagc 540
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<210> 21
 <211> 360
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 <213> Secuencia Artificial

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 <223> Descripción de la Secuencia Artificial:
 Polinucleótido Sintético

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 gactacgccg ctctgtgaa gggccgggtc actatctcta gggacgactc taagaacacc 240
 ctgtacctgc agatgaatag cctgaaaacc gaggacaccg ccgtctacta ctgcgctaga 300
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<210> 22
 <211> 223
 <212> PRT
 <213> Secuencia Artificial

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 <223> Descripción de la Secuencia Artificial:

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Polipéptido Sintético

<400> 22

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Lys Pro Gly Gly
1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Gly His Ile Lys Ser Lys Thr Asp Ala Gly Thr Thr Asp Tyr Ala Ala
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Ala Arg Glu Ile Tyr Tyr Tyr Ala Phe Asp Ser Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val
115 120 125

Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala Ala
130 135 140

Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser
145 150 155 160

Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val
165 170 175

Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro
180 185 190

Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His Lys
195 200 205

Pro Ser Asn Thr Lys Val Asp Lys Arg Val Glu Pro Lys Ser Cys
210 215 220

<210> 23

<211> 669

<212> ADN

<213> Secuencia Artificial

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<220>

<223> Descripción de la Secuencia Artificial:
Polinucleótido Sintético

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cctggtaaag gcctggagtg ggtcggacac attaatgcta agaccgacgc cggcactacc	180
gactacgccg ctctgtgaa gggccggttc actatctcta gggacgactc taagaacacc	240
ctgtacctgc agatgaatag cctgaaaacc gaggacaccg ccgtctacta ctgcgctaga	300
gagatctact actacgcctt cgatagctgg ggtagggca ccctgggtcac cgtgtctagc	360
gctagcacta agggcccctc cgtgttccct ctggcccctt ccagcaagtc tacctctggc	420
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ggcctgtact ccctgtcctc cgtgggtgaca gtgccttcct ccagcctggg caccagacc	600
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<210> 24

<211> 321

<212> ADN

<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
Polinucleótido Sintético

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caggcccccg tgctgggtgat ctacggcgat aacgagcggc ctagcggaat ccccgagcgg	180
tttagcggct ctaatagcgg taacaccgct accctgacta tctctagggc tcaggccggc	240
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<211> 213

<212> PRT

<213> Secuencia Artificial

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<223> Descripción de la Secuencia Artificial:
Polipéptido Sintético

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<400> 25

Ser Tyr Glu Leu Thr Gln Pro Leu Ser Val Ser Val Ala Leu Gly Gln
1 5 10 15

Thr Ala Arg Ile Thr Cys Ser Gly Asp Asn Ile Gly Ser Lys Tyr Val
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
35 40 45

Gly Asp Asn Glu Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Ala Gln Ala Gly
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Ala Asp Trp Val Asp Phe Tyr
85 90 95

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln Pro Lys Ala
100 105 110

Ala Pro Ser Val Thr Leu Phe Pro Pro Ser Ser Glu Glu Leu Gln Ala
115 120 125

Asn Lys Ala Thr Leu Val Cys Leu Ile Ser Asp Phe Tyr Pro Gly Ala
130 135 140

Val Thr Val Ala Trp Lys Ala Asp Ser Ser Pro Val Lys Ala Gly Val
145 150 155 160

Glu Thr Thr Thr Pro Ser Lys Gln Ser Asn Asn Lys Tyr Ala Ala Ser
165 170 175

Ser Tyr Leu Ser Leu Thr Pro Glu Gln Trp Lys Ser His Arg Ser Tyr
180 185 190

Ser Cys Gln Val Thr His Glu Gly Ser Thr Val Glu Lys Thr Val Ala
195 200 205

Pro Thr Glu Cys Ser
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<210> 26

<211> 639

<212> ADN

<213> Secuencia Artificial

<220>

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<223> Descripción de la Secuencia Artificial:
Polinucléotido Sintético

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<210> 27
<211> 159
<212> PRT
<213> Homo sapiens

<400> 27
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Asn Cys Asp Phe Glu Lys Ile Lys Ala Ala Tyr Leu Ser Thr Ile Ser
35 40 45

Lys Asp Leu Ile Thr Tyr Met Ser Gly Thr Lys Ser Thr Glu Phe Asn
50 55 60

Asn Thr Val Ser Cys Ser Asn Arg Pro His Cys Leu Thr Glu Ile Gln
65 70 75 80

Ser Leu Thr Phe Asn Pro Thr Ala Gly Cys Ala Ser Leu Ala Lys Glu
85 90 95

Met Phe Ala Met Lys Thr Lys Ala Ala Leu Ala Ile Trp Cys Pro Gly
100 105 110

Tyr Ser Glu Thr Gln Ile Asn Ala Thr Gln Ala Met Lys Lys Arg Arg
115 120 125

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Lys Arg Lys Val Thr Thr Asn Lys Cys Leu Glu Gln Val Ser Gln Leu
130 135 140

Gln Gly Leu Trp Arg Arg Phe Asn Arg Pro Leu Leu Lys Gln Gln
145 150 155

<210> 28
<211> 2629
<212> ADN
<213> Homo sapiens

<400> 28
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<210> 29

<211> 63

<212> PRT

<213> Homo sapiens

<400> 29

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Tyr	Ser	Glu	Thr	Gln	Ile	Asn	Ala	Thr	Gln	Ala	Met	Lys	Lys	Arg	Arg
			20					25					30		

Lys	Arg	Lys	Val	Thr	Thr	Asn	Lys	Cys	Leu	Glu	Gln	Val	Ser	Gln	Leu
		35					40					45			

Gln	Gly	Leu	Trp	Arg	Arg	Phe	Asn	Arg	Pro	Leu	Leu	Lys	Gln	Gln
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<210> 30
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 <212> ADN
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<210> 31

<211> 131

<212> PRT

<213> Macaca fascicularis

<400> 31

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			20					25					30		

Thr	Asp	Phe	Asn	Asn	Thr	Val	Ser	Cys	Ser	Asn	Arg	Pro	His	Cys	Leu
		35					40					45			

Thr	Glu	Ile	Gln	Ser	Leu	Thr	Phe	Asn	Pro	Thr	Pro	Arg	Cys	Ala	Ser
	50					55					60				

Leu	Ala	Lys	Glu	Met	Phe	Ala	Arg	Lys	Thr	Lys	Ala	Thr	Leu	Ala	Leu
65					70					75					80

Trp	Cys	Pro	Gly	Tyr	Ser	Glu	Thr	Gln	Ile	Asn	Ala	Thr	Gln	Ala	Met
				85					90					95	

Lys	Lys	Arg	Arg	Lys	Arg	Lys	Val	Thr	Thr	Asn	Lys	Cys	Leu	Glu	Gln
			100					105					110		

Val	Ser	Gln	Leu	Leu	Gly	Leu	Trp	Arg	Arg	Phe	Ile	Arg	Thr	Leu	Leu
		115					120					125			

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Lys Lys Gln
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<210> 32
<211> 393
<212> ADN
<213> Macaca fascicularis

<400> 32
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<212> PRT
<213> Mus musculus

<400> 33
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20 25 30

Ile Tyr Cys Asn Ile Ile Phe His Asp Leu Thr Gly Asp Leu Lys Gly
35 40 45

Ala Lys Phe Glu Gln Ile Glu Asp Cys Glu Ser Lys Pro Ala Cys Leu
50 55 60

Leu Lys Ile Glu Tyr Tyr Thr Leu Asn Pro Ile Pro Gly Cys Pro Ser
65 70 75 80

Leu Pro Asp Lys Thr Phe Ala Arg Arg Thr Arg Glu Ala Leu Asn Asp
85 90 95

His Cys Pro Gly Tyr Pro Glu Thr Glu Arg Asn Asp Gly Thr Gln Glu
100 105 110

Met Ala Gln Glu Val Gln Asn Ile Cys Leu Asn Gln Thr Ser Gln Ile
115 120 125

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130 135 140

<210> 34
<211> 1143
<212> ADN
<213> Mus musculus

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<210> 35
<211> 1146
<212> ADN
<213> Mus musculus

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180227 PAT057035-WO-PCT Listado de Secuencias

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<210> 36

<211> 136

<212> PRT

<213> Rattus norvegicus

<400> 36

Met	Val	Leu	Phe	Arg	Tyr	Leu	Phe	Ile	Leu	Gln	Val	Val	Arg	Leu	Ala
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Leu	Thr	Tyr	Asn	Phe	Ser	Asn	Cys	Asn	Phe	Glu	Met	Ile	Leu	Arg	Ile
			20					25					30		

Tyr	His	Ala	Thr	Ile	Phe	Arg	Asp	Leu	Leu	Lys	Asp	Leu	Asn	Gly	Ile
		35					40					45			

Leu	Phe	Asp	Gln	Ile	Glu	Asp	Cys	Asp	Ser	Arg	Thr	Ala	Cys	Leu	Leu
	50					55					60				

Lys	Ile	Asp	His	His	Thr	Phe	Asn	Pro	Val	Pro	Gly	Cys	Pro	Ser	Leu
65					70					75					80

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Pro Glu Lys Ala Phe Ala Leu Lys Thr Lys Ala Ala Leu Ile Asn Tyr
85 90 95

Cys Pro Gly Tyr Ser Glu Thr Glu Arg Asn Gly Thr Leu Glu Met Thr
100 105 110

Arg Glu Ile Arg Asn Ile Cys Leu Asn Gln Thr Ser Gln Ile Leu Gly
115 120 125

Leu Trp Leu Ser Cys Ile Gln Ser
130 135

<210> 37

<211> 1125

<212> ADN

<213> Rattus norvegicus

<400> 37

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<211> 149

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<212> PRT

<213> Secuencia Artificial

<220>

<223> Descripción de la Secuencia Artificial:
Polipéptido Sintético

<400> 38

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Gly Pro Tyr Asp Phe Thr Asn Cys Asp Phe Glu Lys Ile Lys Ala Ala
20 25 30

Tyr Leu Ser Thr Ile Ser Lys Asp Leu Ile Thr Tyr Met Ser Gly Thr
35 40 45

Lys Ser Thr Glu Phe Asn Asn Thr Val Ser Cys Ser Asn Arg Pro His
50 55 60

Cys Leu Thr Glu Ile Gln Ser Leu Thr Phe Asn Pro Thr Ala Gly Cys
65 70 75 80

Ala Ser Leu Ala Lys Glu Met Phe Ala Met Lys Thr Lys Ala Ala Leu
85 90 95

Ala Ile Trp Cys Pro Gly Tyr Ser Glu Thr Gln Ile Asn Ala Thr Gln
100 105 110

Ala Met Lys Lys Arg Arg Lys Arg Lys Val Thr Thr Asn Lys Cys Leu
115 120 125

Glu Gln Val Ser Gln Leu Gln Gly Leu Trp Arg Arg Phe Asn Arg Pro
130 135 140

Leu Leu Lys Gln Gln
145

<210> 39

<211> 4

<212> PRT

<213> Desconocido

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<223> Descripción de la secuencia desconocida:
Sitio potencial de escisión de furina

<400> 39

Arg Arg Lys Arg
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<210> 40

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<211> 6

<212> PRT

<213> Secuencia Artificial

<220>

<223> Descripción de la Secuencia Artificial:

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<210> 41

<211> 131

<212> PRT

<213> Secuencia Artificial

<220>

<223> Descripción de la Secuencia Artificial:

Polipéptido Sintético

<400> 41

Tyr Asp Phe Thr Asn Cys Asp Phe Glu Lys Ile Lys Ala Ala Tyr Leu

1

5

10

15

Ser Thr Ile Ser Lys Asp Leu Ile Thr Tyr Met Ser Gly Thr Lys Ser

20

25

30

Thr Glu Phe Asn Asn Thr Val Ser Cys Ser Asn Arg Pro His Cys Leu

35

40

45

Thr Glu Ile Gln Ser Leu Thr Phe Asn Pro Thr Ala Gly Cys Ala Ser

50

55

60

Leu Ala Lys Glu Met Phe Ala Met Lys Thr Lys Ala Ala Leu Ala Ile

65

70

75

80

Trp Cys Pro Gly Tyr Ser Glu Thr Gln Ile Asn Ala Thr Gln Ala Met

85

90

95

Lys Lys Arg Arg Lys Arg Lys Val Thr Thr Asn Lys Cys Leu Glu Gln

100

105

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Val Ser Gln Leu Gln Gly Leu Trp Arg Arg Phe Asn Arg Pro Leu Leu

115

120

125

Lys Gln Gln

130

<210> 42

<211> 119

<212> PRT

<213> Secuencia Artificial

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<220>

<223> Descripción de la Secuencia Artificial:
Polipéptido Sintético

<400> 42

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1 5 10 15

Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asp Tyr
20 25 30

Trp Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
35 40 45

Gly His Ile Lys Ser Lys Thr Asp Ala Gly Thr Thr Asp Tyr Ala Ala
50 55 60

Pro Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Thr
65 70 75 80

Leu Tyr Leu Gln Met Asn Ser Leu Lys Thr Glu Asp Thr Ala Val Tyr
85 90 95

Tyr Cys Ala Arg Glu Ile Tyr Tyr Tyr Ala Phe Asp Ser Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser
115

<210> 43

<211> 109

<212> PRT

<213> Secuencia Artificial

<220>

<223> Descripción de la Secuencia Artificial:
Polipéptido Sintético

<400> 43

Ser Tyr Glu Leu Thr Gln Pro Leu Ser Val Ser Val Ala Leu Gly Gln
1 5 10 15

Thr Ala Arg Ile Thr Cys Ser Gly Asp Asn Ile Gly Ser Lys Tyr Val
20 25 30

His Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Val Leu Val Ile Tyr
35 40 45

Gly Asp Asn Glu Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
50 55 60

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Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Ala Gln Ala Gly
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Ala Ala Asp Trp Val Asp Phe Tyr
85 90 95

Val Phe Gly Gly Gly Thr Lys Leu Thr Val Leu Gly Gln
100 105