

LISTADO DE SECUENCIAS

<110> JANSSEN PHARMACEUTICA NV

<120> ANTIANTICUERPOS GPRC5D, MOLÉCULAS DE UNIÓN AL ANTÍGENO BIESPECÍFICAS
QUE SE UNEN A GPRC5D Y CD3, Y USOS DE ESTAS

<130> PRD3422WOPCT

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<150> 62/364,811

<151> 2016-07-20

<160> 100

<170> Versión de PatentIn 3.5

<210> 1

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Ser Tyr Ala Ile Ser

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Asn Tyr Trp Met Ser

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Ser Tyr Phe Ile Gly

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Gly Tyr Thr Met Asn

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Ala Ala Phe Asp Phe Gly Arg Arg Ala Val Arg Leu Asp

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Val Tyr Ser Phe Gly Gly Arg His Lys Ala Leu Phe Asp Tyr

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Val Ala Leu Arg Val Ala Leu Asp Tyr

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Arg Ala Ser Gln Ser Ile Ser Ser Tyr Leu Asn

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Lys Ala Ser Gln Asn Val Ala Thr His Val Gly

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Asp Ala Ser Asn Arg Ala Thr

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Ser Ala Ser Tyr Arg Tyr Ser

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Gln Gln Ser Tyr Ser Thr Pro Leu Thr

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Gln Gln Arg Ser Asn Trp Pro Leu Thr

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Gln Gln Tyr Asn Arg Tyr Pro Tyr Thr

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Met Tyr Lys Asp Cys Ile Glu Ser Thr Gly Asp Tyr Phe Leu Leu Cys

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Asp Ala Glu Gly Pro Trp Gly Ile Ile Leu Glu Ser Leu Ala Ile Leu
20 25 30

Gly Ile Val Val Thr Ile Leu Leu Leu Leu Ala Phe Leu Phe Leu Met
35 40 45

Arg Lys Ile Gln Asp Cys Ser Gln Trp Asn Val Leu Pro Thr Gln Leu
50 55 60

Leu Phe Leu Leu Ser Val Leu Gly Leu Phe Gly Leu Ala Phe Ala Phe
65 70 75 80

Ile Ile Glu Leu Asn Gln Gln Thr Ala Pro Val Arg Tyr Phe Leu Phe
85 90 95

Gly Val Leu Phe Ala Leu Cys Phe Ser Cys Leu Leu Ala His Ala Ser
100 105 110

Asn Leu Val Lys Leu Val Arg Gly Cys Val Ser Phe Ser Trp Thr Thr
115 120 125

Ile Leu Cys Ile Ala Ile Gly Cys Ser Leu Leu Gln Ile Ile Ile Ala
130 135 140

Thr Glu Tyr Val Thr Leu Ile Met Thr Arg Gly Met Met Phe Val Asn
145 150 155 160

Met Thr Pro Cys Gln Leu Asn Val Asp Phe Val Val Leu Leu Val Tyr
165 170 175

Val Leu Phe Leu Met Ala Leu Thr Phe Phe Val Ser Lys Ala Thr Phe
180 185 190

Cys Gly Pro Cys Glu Asn Trp Lys Gln His Gly Arg Leu Ile Phe Ile
195 200 205

Thr Val Leu Phe Ser Ile Ile Ile Trp Val Val Trp Ile Ser Met Leu
210 215 220

Leu Arg Gly Asn Pro Gln Phe Gln Arg Gln Pro Gln Trp Asp Asp Pro
225 230 235 240

Val Val Cys Ile Ala Leu Val Thr Asn Ala Trp Val Phe Leu Leu Leu
245 250 255

Tyr Ile Val Pro Glu Leu Cys Ile Leu Tyr Arg Ser Cys Arg Gln Glu
260 265 270

Cys Pro Leu Gln Gly Asn Ala Cys Pro Val Thr Ala Tyr Gln His Ser

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Phe Gln Val Glu Asn Gln Glu Leu Ser Arg Ala Arg Asp Ser Asp Gly

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Ala Glu Glu Asp Val Ala Leu Thr Ser Tyr Gly Thr Pro Ile Gln Pro

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Gln Thr Val Asp Pro Thr Gln Glu Cys Phe Ile Pro Gln Ala Lys Leu

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Ser Pro Gln Gln Asp Ala Gly Gly Val

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Asp Ser Glu Gly Pro Trp Gly Ile Val Leu Glu Ser Leu Ala Ile Leu

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30

Gly Ile Val Val Thr Ile Leu Leu Leu Leu Ala Phe Leu Phe Leu Met

35

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Arg Lys Ile Gln Asp Cys Ser Gln Trp Asn Val Leu Pro Thr Gln Leu

50

55

60

Leu Phe Leu Leu Ser Val Leu Gly Leu Phe Gly Leu Ala Phe Ala Phe

65

70

75

80

Ile Ile Gln Leu Asn Gln Gln Thr Ala Pro Val Arg Tyr Phe Leu Phe

85

90

95

Gly Val Leu Phe Ala Leu Cys Phe Ser Cys Leu Leu Ala His Ala Ser

100

105

110

Asn Leu Val Lys Leu Val Arg Gly Arg Val Ser Phe Ser Trp Thr Thr

115

120

125

Ile Leu Cys Ile Ala Ile Gly Cys Ser Leu Leu Gln Val Ile Ile Ala

130

135

140

Ile Glu Tyr Val Thr Leu Ile Met Thr Arg Gly Met Met Phe Val His

145

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155

160

Met Thr Pro Tyr Gln Leu Asn Val Asp Phe Val Val Leu Leu Val Tyr
165 170 175

Val Leu Phe Leu Met Ala Leu Thr Phe Phe Val Ser Lys Ala Thr Phe
180 185 190

Cys Gly Pro Cys Glu Asn Trp Lys Gln His Gly Arg Leu Ile Phe Ile
195 200 205

Thr Val Leu Phe Ser Ile Ile Ile Trp Val Val Trp Ile Ser Met Leu
210 215 220

Leu Arg Gly Asn Pro Gln Phe Gln Arg Gln Pro Gln Trp Asp Asp Pro
225 230 235 240

Val Val Cys Ile Ala Leu Val Thr Asn Ala Trp Val Phe Leu Leu Leu
245 250 255

Tyr Ile Val Pro Glu Leu Cys Ile Leu Tyr Arg Ser Cys Arg Gln Glu
260 265 270

Cys Pro Ser Gln Gly His Ala Cys Pro Val Thr Ala Tyr Gln Arg Ser
275 280 285

Phe Gln Val Glu Asn Gln Glu Leu Ser Arg Ala Arg Asp Ser Asp Gly

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Ala Glu Glu Asp Val Ala Leu Thr Ser Phe Gly Thr Pro Ile Gln Pro

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Gln Thr Val Asp Pro Thr Gln Glu Cys Phe Ile Pro Arg Ala Lys Leu

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Ser Pro Gln Gln Asp Ala Gly Val

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Met Tyr Glu Asp Cys Val Lys Ser Thr Glu Asp Tyr Tyr Leu Phe Cys

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Asp Asn Glu Gly Pro Trp Ala Ile Val Leu Glu Ser Leu Ala Val Ile

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30

Gly Ile Val Val Thr Ile Leu Leu Leu Leu Ala Phe Leu Phe Leu Met

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45

Arg Lys Val Gln Asp Cys Ser Gln Trp Asn Val Leu Pro Thr Gln Phe

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Leu Phe Leu Leu Ala Val Leu Gly Leu Phe Gly Leu Thr Phe Ala Phe

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Ile Ile Gln Leu Asn His Gln Thr Ala Pro Val Arg Tyr Phe Leu Phe

85

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Gly Val Leu Phe Ala Ile Cys Phe Ser Cys Leu Leu Ala His Ala Ser

100

105

110

Asn Leu Val Lys Leu Val Arg Gly Arg Val Ser Phe Cys Trp Thr Thr

115

120

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Ile Leu Phe Ile Ala Ile Gly Val Ser Leu Leu Gln Thr Ile Ile Ala

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Ile Glu Tyr Val Thr Leu Ile Met Thr Arg Gly Leu Met Phe Glu His

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Met Thr Pro Tyr Gln Leu Asn Val Asp Phe Val Cys Leu Leu Ile Tyr
165 170 175

Val Leu Phe Leu Met Ala Leu Thr Phe Phe Val Ser Lys Ala Thr Phe
180 185 190

Cys Gly Pro Cys Glu Asn Trp Lys Gln His Gly Arg Leu Ile Phe Ala
195 200 205

Thr Val Leu Val Ser Ile Ile Ile Trp Val Val Trp Ile Ser Met Leu
210 215 220

Leu Arg Gly Asn Pro Gln Leu Gln Arg Gln Pro His Trp Asp Asp Ala
225 230 235 240

Val Ile Cys Ile Gly Leu Val Thr Asn Ala Trp Val Phe Leu Leu Ile
245 250 255

Tyr Ile Ile Pro Glu Leu Ser Ile Leu Tyr Arg Ser Cys Arg Gln Glu
260 265 270

Cys Pro Thr Gln Gly Asn Val Cys Gln Val Pro Val Tyr Gln Arg Ser
275 280 285

Phe Arg Met Asp Thr Gln Glu Pro Thr Arg Ala Arg Asp Ser Asp Gly

290

295

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Ala Gln Glu Asp Val Ala Leu Thr Ala Tyr Gly Thr Pro Ile Gln Leu

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Gln Ser Ala Asp Pro Ser Arg Glu Tyr Leu Ile Pro Ser Ala Thr Leu

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Ser Pro Gln Gln Asp Ala Gly Leu

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<213> Homo Sapiens

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Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

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

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30

Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

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Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala
50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Ser
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 His Gly Asn Phe Gly Asn Ser Tyr Val Ser Trp Phe
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Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
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Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly
1 5 10 15

Thr Val Thr Leu Thr Cys Arg Ser Ser Thr Gly Ala Val Thr Thr Ser
20 25 30

Asn Tyr Ala Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly
35 40 45

Leu Ile Gly Gly Thr Asn Lys Arg Ala Pro Gly Thr Pro Ala Arg Phe
50 55 60

Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val
65 70 75 80

Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Ala Leu Trp Tyr Ser Asn
85 90 95

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

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Ser Tyr Trp Ile Gly

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Gly Ile Ser Tyr Ser Gly Gly Ser Lys Tyr Tyr Ala Asp Ser Val Lys

1 5 10 15

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<210> 29

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<213> Homo Sapiens

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Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe Gln

1 5 10 15

Gly

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Glu Ser Arg Tyr Arg Gly Tyr Lys Leu Asp Tyr

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Glu Ser Arg Val Arg Gly Tyr Lys Leu Asp Tyr

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Glu Ser Arg Gly Arg Gly Tyr Lys Leu Asp Tyr

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<212> PRT

<213> Homo Sapiens

<400> 34

Glu Ser Arg Ala Arg Gly Tyr Lys Leu Asp Tyr

1 5 10

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<213> Homo Sapiens

<400> 35

Glu Ser Arg Phe Arg Gly Tyr Lys Leu Asp Tyr

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<211> 5

<212> PRT

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<400> 36

Ser Tyr Tyr Ile Gly

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<211> 5

<212> PRT

<213> Homo Sapiens

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Ser Tyr Val Ile Gly

1 5

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Ser Tyr Gly Ile Gly

1 5

<210> 39

<211> 5

<212> PRT

<213> Homo Sapiens

<400> 39

Ser Tyr Ala Ile Gly

1 5

<210> 40

<211> 17

<212> PRT

<213> Homo Sapiens

<400> 40

Ile Ile Tyr Pro Gly Ala Ser Asp Thr Arg Tyr Ser Pro Ser Phe Gln

1 5 10 15

Gly

<210> 41

<211> 17

<212> PRT

<213> Homo Sapiens

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Ile Ile Tyr Pro Gly Ser Ser Asp Thr Arg Tyr Ser Pro Ser Phe Gln

1 5 10 15

Gly

<210> 42

<211> 17

<212> PRT

<213> Homo Sapiens

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Ile Ile Tyr Pro Gly Glu Ser Asp Thr Arg Tyr Ser Pro Ser Phe Gln

1 5 10 15

Gly

<210> 43

<211> 17

<212> PRT

<213> Homo Sapiens

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Ile Ile Tyr Pro Gly Tyr Ser Asp Thr Arg Tyr Ser Pro Ser Phe Gln

1 5 10 15

Gly

<210> 44

<211> 17

<212> PRT

<213> Homo Sapiens

<400> 44

Gly Ile Ser Tyr Ser Gly Gly Ser Lys Tyr Tyr Ala Ala Ser Val Lys

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10

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Gly

<210> 45

<211> 17

<212> PRT

<213> Homo Sapiens

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Gly Ile Ser Tyr Ser Gly Gly Ser Lys Tyr Tyr Ala Lys Ser Val Lys

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Gly

<210> 46

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<212> PRT

<213> Homo Sapiens

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Gly Ile Ser Tyr Ser Gly Gly Ser Lys Tyr Tyr Ala Glu Ser Val Lys

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Gly

<210> 47

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Gly Ile Ser Tyr Ser Gly Gly Ser Lys Tyr Tyr Ala Tyr Ser Val Lys

1 5 10 15

Gly

<210> 48

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<213> Homo Sapiens

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Ala Ala Tyr Asp Phe Gly Arg Arg Ala Val Arg Leu Asp Tyr

1 5 10

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<212> PRT

<213> Homo Sapiens

<400> 49

Ala Ala Val Asp Phe Gly Arg Arg Ala Val Arg Leu Asp Tyr

1 5 10

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Ala Ala Gly Asp Phe Gly Arg Arg Ala Val Arg Leu Asp Tyr

1 5 10

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<213> Homo Sapiens

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Ala Ala Ala Asp Phe Gly Arg Arg Ala Val Arg Leu Asp Tyr

1 5 10

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<212> PRT

<213> Homo Sapiens

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Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ser
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Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

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

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Glu Ser Arg Trp Arg Gly Tyr Lys Leu Asp Tyr Trp Gly Gln
100 105 110

Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 53

<211> 123

<212> PRT

<213> Homo Sapiens

<400> 53

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

1 5 10 15

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

20 25 30

Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35 40 45

Ser Gly Ile Ser Tyr Ser Gly Gly Ser Lys Tyr Tyr Ala Ser Ser Val

50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85 90 95

Ala Lys Ala Ala Phe Asp Phe Gly Arg Arg Ala Val Arg Leu Asp Tyr

100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser

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<211> 123

<212> PRT

<213> Homo Sapiens

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Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu

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Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr

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Phe Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met

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Gly Ile Ile Tyr Pro Gly Lys Ser Asp Thr Arg Tyr Ser Pro Ser Phe

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55

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Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr

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70

75

80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys

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Ala Arg Val Tyr Ser Phe Gly Gly Arg His Lys Ala Leu Phe Asp Tyr

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Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser

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<211> 118

<212> PRT

<213> Homo Sapiens

<400> 55

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

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Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr

20

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30

Thr Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met

35

40

45

Gly Leu Ile Asn Pro Tyr Asn Ser Asp Thr Asn Tyr Ala Gln Lys Leu

50

55

60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr

65 70 75 80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys

85 90 95

Ala Arg Val Ala Leu Arg Val Ala Leu Asp Tyr Trp Gly Gln Gly Thr

100 105 110

Leu Val Thr Val Ser Ser
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<210> 56

<211> 107

<212> PRT

<213> Homo Sapiens

<400> 56

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly

1 5 10 15

Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Ser Ile Ser Ser Tyr

20 25 30

Leu Asn Trp Tyr Gln Gln Lys Pro Gly Lys Ala Pro Lys Leu Leu Ile

35

40

45

Tyr Ala Ala Ser Ser Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly

50

55

60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro

65

70

75

80

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Ser Tyr Ser Thr Pro Leu

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Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys

100

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<212> PRT

<213> Homo Sapiens

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Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly

1

5

10

15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Ser Ser Tyr

20

25

30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile

35

40

45

Tyr Asp Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly

50

55

60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro

65

70

75

80

Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Arg Ser Asn Trp Pro Leu

85

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Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys

100

105

<210> 58

<211> 107

<212> PRT

<213> Homo Sapiens

<400> 58

Asp Ile Gln Met Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly

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15

Asp Arg Val Thr Ile Thr Cys Lys Ala Ser Gln Asn Val Ala Thr His
20 25 30

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

Tyr Ser Ala Ser Tyr Arg Tyr Ser Gly Val Pro Ser Arg Phe Ser Gly
50 55 60

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

Glu Asp Phe Ala Thr Tyr Tyr Cys Gln Gln Tyr Asn Arg Tyr Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 59

<211> 327

<212> PRT

<213> Homo Sapiens

<400> 59

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg
1 5 10 15

Ser Thr Ser Glu Ser Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr
20 25 30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser
35 40 45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
50 55 60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr
65 70 75 80

Tyr Thr Cys Asn Val Asp His Lys Pro Ser Asn Thr Lys Val Asp Lys
85 90 95

Arg Val Glu Ser Lys Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro
100 105 110

Glu Ala Ala Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys
115 120 125

Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val
130 135 140

Asp Val Ser Gln Glu Asp Pro Glu Val Gln Phe Asn Trp Tyr Val Asp
145 150 155 160

Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe
165 170 175

Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp
180 185 190

Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Gly Leu
195 200 205

Pro Ser Ser Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg
210 215 220

Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Gln Glu Glu Met Thr Lys
225 230 235 240

Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp
245 250 255

Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys
260 265 270

Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser

275

280

285

Arg Leu Thr Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser

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295

300

Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser

305

310

315

320

Leu Ser Leu Ser Leu Gly Lys

325

<210> 60

<211> 330

<212> PRT

<213> Homo Sapiens

<400> 60

Ala Ser Thr Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Ser Ser Lys

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Ser Thr Ser Gly Gly Thr Ala Ala Leu Gly Cys Leu Val Lys Asp Tyr

20

25

30

Phe Pro Glu Pro Val Thr Val Ser Trp Asn Ser Gly Ala Leu Thr Ser

35

40

45

Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser

50

55

60

Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr

65

70

75

80

Tyr Ile Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys

85

90

95

Lys Val Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys

100

105

110

Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro

115

120

125

Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys

130

135

140

Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp

145

150

155

160

Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu
165 170 175

Glu Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu
180 185 190

His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn
195 200 205

Lys Ala Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly
210 215 220

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

Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr
245 250 255

Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn
260 265 270

Asn Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe
275 280 285

Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn

290

295

300

Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr

305

310

315

320

Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys

325

330

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<212> PRT

<213> Homo Sapiens

<400> 61

Asp Tyr Gly Met His

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<210> 62

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<212> PRT

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<400> 62

Gly Tyr Ala Met Ser

1

5

<210> 63

<211> 5

<212> PRT

<213> Homo Sapiens

<400> 63

Ser Tyr Gly Ile Ser

1 5

<210> 64

<211> 10

<212> PRT

<213> Homo Sapiens

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Gly Tyr Ser Phe Thr Gly Tyr Thr Met Asn

1 5 10

<210> 65

<211> 5

<212> PRT

<213> Homo Sapiens

<400> 65

Ser Tyr Ala Met Ser

1 5

<210> 66

<211> 10

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<213> Homo Sapiens

<400> 66

Gly Phe Ser Leu Thr Ser Tyr Asn Val His

1 5 10

<210> 67

<211> 17

<212> PRT

<213> Homo Sapiens

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

1 5 10 15

Gly

<210> 68

<211> 17

<212> PRT

<213> Homo Sapiens

<400> 68

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

1 5 10 15

Gly

<210> 69

<211> 17

<212> PRT

<213> Homo Sapiens

<400> 69

Gly Ile Ile Pro Ile Phe Gly Asn Ile Asn Tyr Ala Gln Lys Phe Gln

1

5

10

15

Gly

<210> 70

<211> 10

<212> PRT

<213> Homo Sapiens

<400> 70

Leu Ile Asn Pro Tyr Asn Gly Asp Thr Asn

1

5

10

<210> 71

<211> 16

<212> PRT

<213> Homo Sapiens

<400> 71

Val Ile Trp Ala Gly Gly Ser Thr Asn Tyr Asn Ser Ala Leu Met Ser

1 5 10 15

<210> 72

<211> 10

<212> PRT

<213> Homo Sapiens

<400> 72

Arg Ala Glu Ser Gly Pro Gly Leu Asp Tyr

1 5 10

<210> 73

<211> 13

<212> PRT

<213> Homo Sapiens

<400> 73

Ile Gly Phe Tyr Gly Arg Ser Phe Arg Ile Phe Asp Tyr

1 5 10

<210> 74

<211> 14

<212> PRT

<213> Homo Sapiens

<400> 74

Val Asp Arg Ser Phe Gly Arg Ser Arg Tyr Thr Leu Asp Tyr

1 5 10

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<211> 14

<212> PRT

<213> Homo Sapiens

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Val Ser Arg Arg Phe Lys Arg Phe Ala Tyr Tyr Phe Asp Tyr

1 5 10

<210> 76

<211> 10

<212> PRT

<213> Homo Sapiens

<400> 76

Ser Asn Phe Leu Pro Val Val Phe Asp Tyr

1 5 10

<210> 77

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 77

Asp Gly Ile Arg Leu Arg Phe Ala Tyr

1 5

<210> 78

<211> 7

<212> PRT

<213> Homo Sapiens

<400> 78

Trp Ala Ser Thr Arg Glu Ser

1 5

<210> 79

<211> 7

<212> PRT

<213> Homo Sapiens

<400> 79

Thr Ala Ser Asn Arg Ala Thr

1 5

<210> 80

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 80

Gln Gln Tyr Tyr Ser Thr Pro Leu Thr

1 5

<210> 81

<211> 9

<212> PRT

<213> Homo Sapiens

<400> 81

Gln Gln Tyr Phe Arg Ala Pro Ile Thr

1 5

<210> 82

<211> 119

<212> PRT

<213> Homo Sapiens

<400> 82

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln 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

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

35 40 45

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

50 55 60

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

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

Ala Lys Arg Ala Glu Ser Gly Pro Gly Leu Asp Tyr Trp Gly Gln Gly
100 105 110

Thr Leu Val Thr Val Ser Ser
115

<210> 83

<211> 123

<212> PRT

<213> Homo Sapiens

<400> 83

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

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

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

Ser Gly Ile Ser Tyr Ser Gly Gly Ser Lys Tyr Tyr Ala Asp Ser Val
50 55 60

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

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

Ala Lys Ala Ala Trp Asp Phe Gly Arg Arg Ala Val Arg Leu Asp Tyr
100 105 110

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

<210> 84

<211> 122

<212> PRT

<213> Homo Sapiens

<400> 84

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

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr
20 25 30

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

Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe
50 55 60

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

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

Gly Gln Gly Thr Leu Val Thr Val Ser Ser
115 120

<210> 85

<211> 123

<212> PRT

<213> Homo Sapiens

<400> 85

Glu Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Glu

1 5 10 15

Ser Leu Lys Ile Ser Cys Lys Gly Ser Gly Tyr Ser Phe Thr Ser Tyr

20 25 30

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met

35 40 45

Gly Ile Ile Tyr Pro Gly Asp Ser Asp Thr Arg Tyr Ser Pro Ser Phe

50 55 60

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Ile Ser Thr Ala Tyr

65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys

85 90 95

Ala Arg Val Tyr Ser Phe Gly Gly Arg His Lys Ala Leu Phe Asp Tyr

100 105 110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser

115 120

<210> 86

<211> 123

<212> PRT

<213> Homo Sapiens

<400> 86

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

1 5 10 15

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

20 25 30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35 40 45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val

50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85 90 95

Ala Lys Val Asp Arg Ser Phe Gly Arg Ser Arg Tyr Thr Leu Asp Tyr
100 105 110

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

<210> 87

<211> 123

<212> PRT

<213> Homo Sapiens

<400> 87

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

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

Gly Gly Ile Ile Pro Ile Phe Gly Asn Ile Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys

85

90

95

Ala Arg Val Ser Arg Arg Phe Lys Arg Phe Ala Tyr Tyr Phe Asp Tyr

100

105

110

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser

115

120

<210> 88

<211> 118

<212> PRT

<213> Homo Sapiens

<400> 88

Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala

1

5

10

15

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Ser Phe Thr Gly Tyr

20

25

30

Thr Met Asn Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met

35

40

45

Gly Leu Ile Asn Pro Tyr Asn Gly Asp Thr Asn Tyr Ala Gln Lys Leu

50

55

60

Gln Gly Arg Val Thr Met Thr Thr Asp Thr Ser Thr Ser Thr Ala Tyr

65

70

75

80

Met Glu Leu Arg Ser Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys

85

90

95

Ala Arg Val Ala Leu Arg Val Ala Leu Asp Tyr Trp Gly Gln Gly Thr

100

105

110

Leu Val Thr Val Ser Ser

115

<210> 89

<211> 119

<212> PRT

<213> Homo Sapiens

<400> 89

Glu Val Gln Leu Leu Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

1

5

10

15

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

20

25

30

Ala Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35

40

45

Ser Ala Ile Ser Gly Ser Gly Gly Ser Thr Tyr Tyr Ala Asp Ser Val

50

55

60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr

65

70

75

80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys

85

90

95

Ala Lys Ser Asn Phe Leu Pro Val Val Phe Asp Tyr Trp Gly Gln Gly

100

105

110

Thr Leu Val Thr Val Ser Ser

115

<210> 90

<211> 705

<212> ADN

<213> Homo Sapiens

<400> 90

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gacatccaga tgacccagag ccccagcagc ctgagcgcca gcgtgggcga ccgggtgacc	120
atcacctgca aggccagcca gaacgtggcc acccacgtgg gctggtacca gcagaagccc	180
ggcaaggccc ccaagcggct gatctacagc gccagctacc ggtacagcgg cgtgccagc	240
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gaggacttcg ccacctacta ctgccagcag tacaaccggt acccctacac cttcggccag	360
ggcaccaagc tggagatcaa gcgtacggtg gctgcaccat ctgtcttcat cttcccgcc	420
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gagagtgtca cagagcagga cagcaaggac agcacctaca gcctcagcag caccctgacg	600
ctgagcaaag cagactacga gaaacacaaa gtctacgcct gcgaagtcac ccatcagggc	660
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<210> 91

<211> 117

<212> PRT

<213> Homo Sapiens

<400> 91

Gln Val Thr Leu Lys Glu Ser Gly Pro Val Leu Val Lys Pro Thr Glu

1 5 10 15

Thr Leu Thr Leu Thr Cys Thr Val Ser Gly Phe Ser Leu Thr Ser Tyr

20 25 30

Asn Val His Trp Ile Arg Gln Pro Pro Gly Lys Ala Leu Glu Trp Leu

35 40 45

Ala Val Ile Trp Ala Gly Gly Ser Thr Asn Tyr Asn Ser Ala Leu Met

50 55 60

Ser Arg Leu Thr Ile Ser Lys Asp Thr Ser Lys Ser Gln Val Val Leu

65 70 75 80

Thr Met Thr Asn Met Arg Ala Glu Asp Thr Ala Thr Tyr Tyr Cys Ala

85 90 95

Arg Asp Gly Ile Arg Leu Arg Phe Ala Tyr Trp Gly Gln Gly Thr Leu

100 105 110

Val Thr Val Ser Ser

115

<210> 92

<211> 113

<212> PRT

<213> Homo Sapiens

<400> 92

Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Val Ser Leu Gly

1 5 10 15

Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser

20 25 30

Ser Asn Asn Lys Asn Tyr Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln

35 40 45

Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val

50 55 60

Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr

65 70 75 80

Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln

85 90 95

Tyr Tyr Ser Thr Pro Leu Thr Phe Gly Gln Gly Thr Lys Val Glu Ile

100 105 110

Lys

<210> 93

<211> 108

<212> PRT

<213> Homo Sapiens

<400> 93

Glu Ile Val Leu Thr Gln Ser Pro Ala Thr Leu Ser Leu Ser Pro Gly

1 5 10 15

Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Gln Ser Val Arg Lys Ser

20 25 30

Leu Ala Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile

35 40 45

Tyr Thr Ala Ser Asn Arg Ala Thr Gly Ile Pro Ala Arg Phe Ser Gly

50 55 60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Glu Pro

65 70 75 80

Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Phe Arg Ala Pro Ile

85

90

95

Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys Lys

100

105

<210> 94

<211> 107

<212> PRT

<213> Homo Sapiens

<400> 94

Glu Ile Val Met Thr Gln Ser Pro Ala Thr Leu Ser Val Ser Pro Gly

1

5

10

15

Glu Arg Ala Thr Leu Ser Cys Lys Ala Ser Gln Asn Val Ala Thr His

20

25

30

Val Gly Trp Tyr Gln Gln Lys Pro Gly Gln Ala Pro Arg Leu Leu Ile

35

40

45

Tyr Ser Ala Ser Tyr Arg Tyr Ser Gly Ile Pro Ala Arg Phe Ser Gly

50

55

60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser

65

70

75

80

Glu Asp Phe Ala Val Tyr Tyr Cys Gln Gln Tyr Asn Arg Tyr Pro Tyr
85 90 95

Thr Phe Gly Gln Gly Thr Lys Leu Glu Ile Lys
100 105

<210> 95
<211> 11
<212> PRT
<213> Homo Sapiens

<400> 95
Arg Ala Ser Gln Ser Val Arg Lys Ser Leu Ala
1 5 10

<210> 96
<211> 1395
<212> ADN
<213> Homo Sapiens

<400> 96
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tgcaaggcca gcggctacag cttcaccggc tacaccatga actgggtgcg gcaggccccc 180
ggccaggggc tggagtggat gggcctgatc aaccctaca acagcgacac caactacgcc 240

cagaagctgc agggccgggt gaccatgacc accgacacca gcaccagcac cgcctacatg	300
gagctgcgga gcctgcggag cgacgacacc gccgtgtact actgcgcccg ggtggccctg	360
cgggtggccc tggactactg gggccagggc accctggtga ccgtgagcag cgcctccacc	420
aagggcccat ccgtcttccc cctggcgccc tgctccagga gcacctccga gagcacagcc	480
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ggcgccctga ccagcggcgt gcacaccttc ccggtgtcc tacagtcctc aggactctac	600
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aacgtagatc acaagcccag caacaccaag gtggacaaga gagttgagtc caaatatggt	720
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cgagagccac aggtgtacac cctgccccca tcccaggagg agatgaccaa gaaccaggtc	1140
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aatgggcagc cggagaacaa ctacaagacc acgcctcccg tgctggactc cgacggctcc 1260

ttcttcctct acagcaggct aaccgtggac aagagcaggt ggcaggaggg gaatgtcttc 1320

tcatgctccg tgatgcatga ggctctgcac aaccactaca cacagaagag cctctccctg 1380

tctctgggta aatga 1395

<210> 97

<211> 14

<212> PRT

<213> Homo Sapiens

<400> 97

Ala Ala Phe Asp Phe Gly Arg Arg Ala Val Arg Leu Asp Tyr

1 5 10

<210> 98

<211> 17

<212> PRT

<213> Homo Sapiens

<400> 98

Lys Ser Ser Gln Ser Val Leu Tyr Ser Ser Asn Asn Lys Asn Tyr Leu

1 5 10 15

Ala

<210> 99

<211> 452

<212> PRT

<213> Secuencia artificial

<220>

<221> fuente

<223> /nota="Descripción de la secuencia artificial: Polipéptido
sintético

<400> 99

Glu Val Gln Leu Val Glu Ser Gly Gly Gly Leu Val Gln Pro Gly Gly

1 5 10 15

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

20 25 30

Ala Met Asn Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val

35 40 45

Ala Arg Ile Arg Ser Lys Tyr Asn Asn Tyr Ala Thr Tyr Tyr Ala Ala

50 55 60

Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asp Ser Lys Asn Ser

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 His Gly Asn Phe Gly Asn Ser Tyr Val Ser Trp Phe
100 105 110

Ala Tyr Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser Ala Ser Thr
115 120 125

Lys Gly Pro Ser Val Phe Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser
130 135 140

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

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

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

Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Lys Thr Tyr Thr Cys
195 200 205

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

Ser Lys Tyr Gly Pro Pro Cys Pro Pro Cys Pro Ala Pro Glu Ala Ala
225 230 235 240

Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr Leu
245 250 255

Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser
260 265 270

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

Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Phe Asn Ser Thr
290 295 300

Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu Asn
305 310 315 320

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

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

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

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

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

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

Val Asp Lys Ser Arg Trp Gln Glu Gly Asn Val Phe Ser Cys Ser Val
420 425 430

Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser Leu
435 440 445

Ser Leu Gly Lys
450

<210> 100

<211> 215

<212> PRT

<213> Secuencia artificial

<220>

<221> fuente

<223> /nota="Descripción de la secuencia artificial: Polipéptido
sintético

<400> 100

Gln Thr Val Val Thr Gln Glu Pro Ser Leu Thr Val Ser Pro Gly Gly

1 5 10 15

Thr Val Thr Leu Thr Cys Arg Ser Ser Thr Gly Ala Val Thr Thr Ser

20 25 30

Asn Tyr Ala Asn Trp Val Gln Gln Lys Pro Gly Gln Ala Pro Arg Gly

35 40 45

Leu Ile Gly Gly Thr Asn Lys Arg Ala Pro Gly Thr Pro Ala Arg Phe

50 55 60

Ser Gly Ser Leu Leu Gly Gly Lys Ala Ala Leu Thr Leu Ser Gly Val

65 70 75 80

Gln Pro Glu Asp Glu Ala Glu Tyr Tyr Cys Ala Leu Trp Tyr Ser Asn
85 90 95

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

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

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

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

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

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

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

Val Ala Pro Thr Glu Cys Ser

210

215