

## LISTA DE SECUENCIAS

<110> MedImmune Limited

<120> Anticuerpos contra la integrina avb8 para su uso en el tratamiento de la enfermedad renal

<130> AVB8-201-US-PSP

<160> 36

<170> PatentIn versión 3.5

<210> 1

<211> 5

<212> PRT

<213> Secuencia artificial

<220>

<223> CDR1H

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<211> 15

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<400> 2

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| Glu | Ile | Asn | Pro | Asp | Ser | Ser | Thr | Ile | Asn | Tyr | Thr | Ser | Ser | Leu |
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| Leu | Ile | Thr | Thr | Glu | Asp | Tyr |
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<223> CDR1L

<400> 4

Lys Ala Ser Gln Asp Ile Asn Ser Tyr Leu Ser  
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Tyr Ala Asn Arg Leu Val Asp  
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<400> 6

Leu Gln Tyr Asp Glu Phe Pro Tyr Thr  
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<220>  
<223> Región VH

<400> 7

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Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Phe Val Phe Ser Arg Tyr  
20 25 30

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

Gly Glu Ile Asn Pro Asp Ser Ser Thr Ile Asn Tyr Thr Ser Ser Leu  
50 55 60

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Ile Leu Ile Thr Thr Glu Asp Tyr Trp Gly Gln Gly Thr Thr Val  
100 105 110

Thr Val Ser Ser  
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<223> Región VL

<400> 8

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

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

Tyr Tyr Ala Asn Arg Leu Val Asp 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 Leu Gln Tyr Asp Glu Phe Pro Tyr

85

90

95

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
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Lys Ala Ser Gln Asp Ile Asn Lys Tyr Leu Ser  
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 <223> Región VH

<400> 12

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

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

Gly Glu Ile Asn Pro Asp Ser Ser Thr Ile Asn Tyr Thr Ser Ser Leu  
50 55 60

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Ile Leu Ile Thr Thr Glu Asp Tyr Trp Gly Gln Gly Thr Thr Val  
100 105 110

Thr Val Ser Ser  
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<210> 13

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> Región VL

<400> 13

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

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

Tyr Tyr Ala Asn Arg Leu Val Asp Gly Val Pro Ser Arg Phe Ser Gly

|                                                                 |     |    |     |    |
|-----------------------------------------------------------------|-----|----|-----|----|
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| 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 Leu Gln Tyr Asp Val Phe Pro Tyr |     |    |     |    |
|                                                                 | 85  |    | 90  | 95 |
| Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys                     |     |    |     |    |
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 <212> ADN  
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|                                                                    |     |
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| ccaggggaagg gcctggaatg gatcggcgag atcaaccccg acagcagcac catcaactac | 180 |
| accagcagcc tgaaggaccg gttcaccatc agccgggaca acgccaagaa cagcctgtac  | 240 |
| ctgcagatga acagcctgcg ggccgaggac accgccgtgt actactgcgc catcctcatc  | 300 |
| accaccgagg actactgggg ccagggcacc accgtgaccg tgtcctct               | 348 |

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| atcatatgca aggccagcca ggacatcaac aagtacctga gctggttcca gcagaagccc | 120 |
| ggcaaggccc ccaagagcct gatctactac gccaacgggc tggcggacgg cgtgcccagc | 180 |
| agattttctg gcagcggcag cggcaccgac ttcaccctga ccatcagcag cctgcagccc | 240 |
| gaggacttcg ccacctacta ctgcctgcag tacgacgtgt tcccctacac cttcggcgga | 300 |
| ggcaccaagg tggaaatcaa g                                           | 321 |

<210> 16  
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 <213> Homo sapiens

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Gln Asn Asp Arg Arg Gly Pro Ala Ser Phe Leu Trp Ala Ala Trp Val  
 20 25 30

Phe Ser Leu Val Leu Gly Leu Gly Gln Gly Glu Asp Asn Arg Cys Ala  
 35 40 45

Ser Ser Asn Ala Ala Ser Cys Ala Arg Cys Leu Ala Leu Gly Pro Glu  
 50 55 60

Cys Gly Trp Cys Val Gln Glu Asp Phe Ile Ser Gly Gly Ser Arg Ser  
 65 70 75 80

Glu Arg Cys Asp Ile Val Ser Asn Leu Ile Ser Lys Gly Cys Ser Val  
 85 90 95

Asp Ser Ile Glu Tyr Pro Ser Val His Val Ile Ile Pro Thr Glu Asn  
 100 105 110

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

Pro Gly Ala Glu Ala Asn Phe Met Leu Lys Val His Pro Leu Lys Lys  
 130 135 140

Tyr Pro Val Asp Leu Tyr Tyr Leu Val Asp Val Ser Ala Ser Met His  
 145 150 155 160

Asn Asn Ile Glu Lys Leu Asn Ser Val Gly Asn Asp Leu Ser Arg Lys  
 165 170 175

Met Ala Phe Phe Ser Arg Asp Phe Arg Leu Gly Phe Gly Ser Tyr Val  
 180 185 190

Asp Lys Thr Val Ser Pro Tyr Ile Ser Ile His Pro Glu Arg Ile His  
195 200 205

Asn Gln Cys Ser Asp Tyr Asn Leu Asp Cys Met Pro Pro His Gly Tyr  
210 215 220

Ile His Val Leu Ser Leu Thr Glu Asn Ile Thr Glu Phe Glu Lys Ala  
225 230 235 240

Val His Arg Gln Lys Ile Ser Gly Asn Ile Asp Thr Pro Glu Gly Gly  
245 250 255

Phe Asp Ala Met Leu Gln Ala Ala Val Cys Glu Ser His Ile Gly Trp  
260 265 270

Arg Lys Glu Ala Lys Arg Leu Leu Leu Val Met Thr Asp Gln Thr Ser  
275 280 285

His Leu Ala Leu Asp Ser Lys Leu Ala Gly Ile Val Val Pro Asn Asp  
290 295 300

Gly Asn Cys His Leu Lys Asn Asn Val Tyr Val Lys Ser Thr Thr Met  
305 310 315 320

Glu His Pro Ser Leu Gly Gln Leu Ser Glu Lys Leu Ile Asp Asn Asn  
325 330 335

Ile Asn Val Ile Phe Ala Val Gln Gly Lys Gln Phe His Trp Tyr Lys  
340 345 350

Asp Leu Leu Pro Leu Leu Pro Gly Thr Ile Ala Gly Glu Ile Glu Ser  
355 360 365

Lys Ala Ala Asn Leu Asn Asn Leu Val Val Glu Ala Tyr Gln Lys Leu  
370 375 380

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

Phe Asn Ile Thr Ala Ile Cys Pro Asp Gly Ser Arg Lys Pro Gly Met  
405 410 415

Glu Gly Cys Arg Asn Val Thr Ser Asn Asp Glu Val Leu Phe Asn Val

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 420 |     |     |     | 425 |     |     |     | 430 |     |     |     |     |     |     |     |
| Thr | Val | Thr | Met | Lys | Lys | Cys | Asp | Val | Thr | Gly | Gly | Lys | Asn | Tyr | Ala |
| 435 |     |     |     | 440 |     |     |     | 445 |     |     |     |     |     |     |     |
| Ile | Ile | Lys | Pro | Ile | Gly | Phe | Asn | Glu | Thr | Ala | Lys | Ile | His | Ile | His |
| 450 |     |     |     | 455 |     |     |     | 460 |     |     |     |     |     |     |     |
| Arg | Asn | Cys | Ser | Cys | Gln | Cys | Glu | Asp | Asn | Arg | Gly | Pro | Lys | Gly | Lys |
| 465 |     |     |     | 470 |     |     |     | 475 |     |     |     | 480 |     |     |     |
| Cys | Val | Asp | Glu | Thr | Phe | Leu | Asp | Ser | Lys | Cys | Phe | Gln | Cys | Asp | Glu |
|     |     |     |     | 485 |     |     |     | 490 |     |     |     | 495 |     |     |     |
| Asn | Lys | Cys | His | Phe | Asp | Glu | Asp | Gln | Phe | Ser | Ser | Glu | Ser | Cys | Lys |
| 500 |     |     |     | 505 |     |     |     | 510 |     |     |     |     |     |     |     |
| Ser | His | Lys | Asp | Gln | Pro | Val | Cys | Ser | Gly | Arg | Gly | Val | Cys | Val | Cys |
| 515 |     |     |     | 520 |     |     |     | 525 |     |     |     |     |     |     |     |
| Gly | Lys | Cys | Ser | Cys | His | Lys | Ile | Lys | Leu | Gly | Lys | Val | Tyr | Gly | Lys |
| 530 |     |     |     | 535 |     |     |     | 540 |     |     |     |     |     |     |     |
| Tyr | Cys | Glu | Lys | Asp | Asp | Phe | Ser | Cys | Pro | Tyr | His | His | Gly | Asn | Leu |
| 545 |     |     |     | 550 |     |     |     | 555 |     |     |     | 560 |     |     |     |
| Cys | Ala | Gly | His | Gly | Glu | Cys | Glu | Ala | Gly | Arg | Cys | Gln | Cys | Phe | Ser |
|     |     |     |     | 565 |     |     |     | 570 |     |     |     | 575 |     |     |     |
| Gly | Trp | Glu | Gly | Asp | Arg | Cys | Gln | Cys | Pro | Ser | Ala | Ala | Ala | Gln | His |
| 580 |     |     |     | 585 |     |     |     | 590 |     |     |     |     |     |     |     |
| Cys | Val | Asn | Ser | Lys | Gly | Gln | Val | Cys | Ser | Gly | Arg | Gly | Thr | Cys | Val |
| 595 |     |     |     | 600 |     |     |     | 605 |     |     |     |     |     |     |     |
| Cys | Gly | Arg | Cys | Glu | Cys | Thr | Asp | Pro | Arg | Ser | Ile | Gly | Arg | Phe | Cys |
| 610 |     |     |     | 615 |     |     |     | 620 |     |     |     |     |     |     |     |
| Glu | His | Cys | Pro | Thr | Cys | Tyr | Thr | Ala | Cys | Lys | Glu | Asn | Trp | Asn | Cys |
| 625 |     |     |     | 630 |     |     |     | 635 |     |     |     | 640 |     |     |     |
| Met | Gln | Cys | Leu | His | Pro | His | Asn | Leu | Ser | Gln | Ala | Ile | Leu | Asp | Gln |
|     |     |     |     | 645 |     |     |     | 650 |     |     |     | 655 |     |     |     |

Cys Lys Thr Ser Cys Ala Leu Met Glu Gln Gln His Tyr Val Asp Gln  
660 665 670

Thr Ser Glu Cys Phe Ser Ser Pro Ser Tyr Leu Arg Ile Phe Phe Ile  
675 680 685

Ile Phe Ile Val Thr Phe Leu Ile Gly Leu Leu Lys Val Leu Ile Ile  
690 695 700

Arg Gln Val Ile Leu Gln Trp Asn Ser Asn Lys Ile Lys Ser Ser Ser  
705 710 715 720

Asp Tyr Arg Val Ser Ala Ser Lys Lys Asp Lys Leu Ile Leu Gln Ser  
725 730 735

Val Cys Thr Arg Ala Val Thr Tyr Arg Arg Glu Lys Pro Glu Glu Ile  
740 745 750

Lys Met Asp Ile Ser Lys Leu Asn Ala His Glu Thr Phe Arg Cys Asn  
755 760 765

Phe

<210> 17

<211> 8787

<212> ADN

<213> Homo sapiens

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| ttaaattccg ttggaaacga tttatctaga aaaatggcat ttttctcccg tgactttcgt  | 1260 |
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| aaacaatttc attggtataa ggatcttcta cccctcttgc caggcaccat tgctggtgaa  | 1800 |
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| agtcctgtgt ggatatacag ttttgcccat gacaacaaag gaatctatcc gaaatatctt  | 5040 |
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| tactgcattt tgatgaagac taaccccatc tcatattcta ccctaaagag aactgaaaaa  | 5160 |
| cctataataa gttgttctgg agccaataaa cacagcagct ctgttagatg tcctctacag  | 5220 |
| ccaagcactt tcaatgctaa cttgaactgc atttccttcc tcaaatgaga gattgacata  | 5280 |
| attcagtact gtgagtcact tgtataagaa acctttgatc actaaaaata atgtaaaaat  | 5340 |
| tgggtttagt agcctaatac acataacgtt cttcttaaaa aggaaaatgg atggatgcct  | 5400 |
| gacaaccctc caaaagaaaa aagtgtgaaga tagccattaa gatgatgaca atttttgaaa | 5460 |
| tgaacattat gatatttatg aacaataaac aaatttccgt atggaatgaa ttatccaaaa  | 5520 |
| agagtataac aaaatgaaat ccttaaaaat ccagagttaa tttttttttt ataccctcac  | 5580 |
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| tctttggtht attaaaataa aaaaaaatc taagattaaa cacagtagat atctctggag   | 6300 |
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| ctgattatac atatccatat ttatatthca ttgattccaa gacatcactt thtcaattta  | 7080 |
| acatctctga aattgtgaca thtcttgcaa ctgttggcac thcagatgca gtgtthaaaa  | 7140 |
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| taaggacaac tgagtcacgc acaactcaac atggagccta actgattatc agctcagatc  | 7320 |
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| ttttaaacia aattaactgg aaaaatatta catggaactg tcatagttag gttttgcagc  | 7560 |
| atcttacatg tcttgatca atggcaggag aaaaatatga taaaaacaat cagtgcctgtg  | 7620 |
| aaaaacaact ttcttctaga gtcctcttac tttttattct tctttatcat ttgtgggttt  | 7680 |
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| agtataaagt actttaattc taaattataa gaaaatatac atttgcacat attaatatag  | 8220 |
| aaattcattt tgtgtatatt taacatagct tttaaactat tttacattag ctacttcatt  | 8280 |
| atggtttctt gaacttctga aaaaaattag aaatgtatta aacttatcag taacataaaa  | 8340 |
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| acatathtct tattatttct ggctttgaat tatacgtaac ttaaattgtc ttaaattgata | 8520 |
| cagaatattg gagaatatga tactttcaca taatatacta tgaacctgtt catataactc  | 8580 |
| tgattgacta ctaacttctg ttttatgtat ttattaaaga gctgacactg tagtttgtgg  | 8640 |
| tgagatgttt atthttctaa cagagcttat aacagttagg acaaggcatt taattaatgc  | 8700 |
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<210> 18  
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 <212> PRT  
 <213> Homo sapiens

<400> 18

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 Leu Asp Val Asp Ser Pro Ala Glu Tyr Ser Gly Pro Glu Gly Ser Tyr  
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 Phe Gly Phe Ala Val Asp Phe Phe Val Pro Ser Ala Ser Ser Arg Met  
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 Phe Leu Leu Val Gly Ala Pro Lys Ala Asn Thr Thr Gln Pro Gly Ile  
 65 70 75 80  
 Val Glu Gly Gly Gln Val Leu Lys Cys Asp Trp Ser Ser Thr Arg Arg  
 85 90 95  
 Cys Gln Pro Ile Glu Phe Asp Ala Thr Gly Asn Arg Asp Tyr Ala Lys  
 100 105 110  
 Asp Asp Pro Leu Glu Phe Lys Ser His Gln Trp Phe Gly Ala Ser Val  
 115 120 125  
 Arg Ser Lys Gln Asp Lys Ile Leu Ala Cys Ala Pro Leu Tyr His Trp  
 130 135 140  
 Arg Thr Glu Met Lys Gln Glu Arg Glu Pro Val Gly Thr Cys Phe Leu  
 145 150 155 160  
 Gln Asp Gly Thr Lys Thr Val Glu Tyr Ala Pro Cys Arg Ser Gln Asp  
 165 170 175  
 Ile Asp Ala Asp Gly Gln Gly Phe Cys Gln Gly Gly Phe Ser Ile Asp  
 180 185 190  
 Phe Thr Lys Ala Asp Arg Val Leu Leu Gly Gly Pro Gly Ser Phe Tyr  
 195 200 205  
 Trp Gln Gly Gln Leu Ile Ser Asp Gln Val Ala Glu Ile Val Ser Lys  
 210 215 220  
 Tyr Asp Pro Asn Val Tyr Ser Ile Lys Tyr Asn Asn Gln Leu Ala Thr

|                 |                                 |                         |         |     |  |     |
|-----------------|---------------------------------|-------------------------|---------|-----|--|-----|
| 225             |                                 | 230                     |         | 235 |  | 240 |
| Arg Thr Ala Gln | Ala Ile Phe Asp Asp             | Ser Tyr Leu Gly Tyr     | Ser Val |     |  |     |
|                 | 245                             | 250                     | 255     |     |  |     |
| Ala Val Gly Asp | Phe Asn Gly Asp Gly             | Ile Asp Asp Phe Val     | Ser Gly |     |  |     |
|                 | 260                             | 265                     | 270     |     |  |     |
| Val Pro Arg Ala | Ala Arg Thr Leu Gly Met         | Val Tyr Ile Tyr Asp     | Gly     |     |  |     |
|                 | 275                             | 280                     | 285     |     |  |     |
| Lys Asn Met Ser | Ser Leu Tyr Asn Phe Thr         | Gly Glu Gln Met Ala Ala |         |     |  |     |
|                 | 290                             | 295                     | 300     |     |  |     |
| Tyr Phe Gly Phe | Ser Val Ala Ala Thr Asp         | Ile Asn Gly Asp Asp     | Tyr     |     |  |     |
| 305             | 310                             | 315                     | 320     |     |  |     |
| Ala Asp Val Phe | Ile Gly Ala Pro Leu Phe Met     | Asp Arg Gly Ser Asp     |         |     |  |     |
|                 | 325                             | 330                     | 335     |     |  |     |
| Gly Lys Leu Gln | Glu Val Gly Gln Val Ser         | Val Ser Leu Gln Arg Ala |         |     |  |     |
|                 | 340                             | 345                     | 350     |     |  |     |
| Ser Gly Asp Phe | Gln Thr Thr Lys Leu Asn Gly     | Phe Glu Val Phe Ala     |         |     |  |     |
|                 | 355                             | 360                     | 365     |     |  |     |
| Arg Phe Gly Ser | Ala Ile Ala Pro Leu Gly Asp     | Leu Asp Gln Asp Gly     |         |     |  |     |
|                 | 370                             | 375                     | 380     |     |  |     |
| Phe Asn Asp Ile | Ala Ile Ala Ala Pro Tyr Gly     | Gly Glu Asp Lys Lys     |         |     |  |     |
| 385             | 390                             | 395                     | 400     |     |  |     |
| Gly Ile Val Tyr | Ile Phe Asn Gly Arg Ser Thr     | Gly Leu Asn Ala Val     |         |     |  |     |
|                 | 405                             | 410                     | 415     |     |  |     |
| Pro Ser Gln Ile | Leu Glu Gly Gln Trp Ala Ala Arg | Ser Met Pro Pro         |         |     |  |     |
|                 | 420                             | 425                     | 430     |     |  |     |
| Ser Phe Gly Tyr | Ser Met Lys Gly Ala Thr Asp     | Ile Asp Lys Asn Gly     |         |     |  |     |
|                 | 435                             | 440                     | 445     |     |  |     |
| Tyr Pro Asp Leu | Ile Val Gly Ala Phe Gly Val     | Asp Arg Ala Ile Leu     |         |     |  |     |
|                 | 450                             | 455                     | 460     |     |  |     |

Tyr Arg Ala Arg Pro Val Ile Thr Val Asn Ala Gly Leu Glu Val Tyr  
 465 470 475 480

Pro Ser Ile Leu Asn Gln Asp Asn Lys Thr Cys Ser Leu Pro Gly Thr  
 485 490 495

Ala Leu Lys Val Ser Cys Phe Asn Val Arg Phe Cys Leu Lys Ala Asp  
 500 505 510

Gly Lys Gly Val Leu Pro Arg Lys Leu Asn Phe Gln Val Glu Leu Leu  
 515 520 525

Leu Asp Lys Leu Lys Gln Lys Gly Ala Ile Arg Arg Ala Leu Phe Leu  
 530 535 540

Tyr Ser Arg Ser Pro Ser His Ser Lys Asn Met Thr Ile Ser Arg Gly  
 545 550 555 560

Gly Leu Met Gln Cys Glu Glu Leu Ile Ala Tyr Leu Arg Asp Glu Ser  
 565 570 575

Glu Phe Arg Asp Lys Leu Thr Pro Ile Thr Ile Phe Met Glu Tyr Arg  
 580 585 590

Leu Asp Tyr Arg Thr Ala Ala Asp Thr Thr Gly Leu Gln Pro Ile Leu  
 595 600 605

Asn Gln Phe Thr Pro Ala Asn Ile Ser Arg Gln Ala His Ile Leu Leu  
 610 615 620

Asp Cys Gly Glu Asp Asn Val Cys Lys Pro Lys Leu Glu Val Ser Val  
 625 630 635 640

Asp Ser Asp Gln Lys Lys Ile Tyr Ile Gly Asp Asp Asn Pro Leu Thr  
 645 650 655

Leu Ile Val Lys Ala Gln Asn Gln Gly Glu Gly Ala Tyr Glu Ala Glu  
 660 665 670

Leu Ile Val Ser Ile Pro Leu Gln Ala Asp Phe Ile Gly Val Val Arg  
 675 680 685

Asn Asn Glu Ala Leu Ala Arg Leu Ser Cys Ala Phe Lys Thr Glu Asn  
690 695 700

Gln Thr Arg Gln Val Val Cys Asp Leu Gly Asn Pro Met Lys Ala Gly  
705 710 715 720

Thr Gln Leu Leu Ala Gly Leu Arg Phe Ser Val His Gln Gln Ser Glu  
725 730 735

Met Asp Thr Ser Val Lys Phe Asp Leu Gln Ile Gln Ser Ser Asn Leu  
740 745 750

Phe Asp Lys Val Ser Pro Val Val Ser His Lys Val Asp Leu Ala Val  
755 760 765

Leu Ala Ala Val Glu Ile Arg Gly Val Ser Ser Pro Asp His Val Phe  
770 775 780

Leu Pro Ile Pro Asn Trp Glu His Lys Glu Asn Pro Glu Thr Glu Glu  
785 790 795 800

Asp Val Gly Pro Val Val Gln His Ile Tyr Glu Leu Arg Asn Asn Gly  
805 810 815

Pro Ser Ser Phe Ser Lys Ala Met Leu His Leu Gln Trp Pro Tyr Lys  
820 825 830

Tyr Asn Asn Asn Thr Leu Leu Tyr Ile Leu His Tyr Asp Ile Asp Gly  
835 840 845

Pro Met Asn Cys Thr Ser Asp Met Glu Ile Asn Pro Leu Arg Ile Lys  
850 855 860

Ile Ser Ser Leu Gln Thr Thr Glu Lys Asn Asp Thr Val Ala Gly Gln  
865 870 875 880

Gly Glu Arg Asp His Leu Ile Thr Lys Arg Asp Leu Ala Leu Ser Glu  
885 890 895

Gly Asp Ile His Thr Leu Gly Cys Gly Val Ala Gln Cys Leu Lys Ile  
900 905 910

Val Cys Gln Val Gly Arg Leu Asp Arg Gly Lys Ser Ala Ile Leu Tyr  
 915 920 925

Val Lys Ser Leu Leu Trp Thr Glu Thr Phe Met Asn Lys Glu Asn Gln  
 930 935 940

Asn His Ser Tyr Ser Leu Lys Ser Ser Ala Ser Phe Asn Val Ile Glu  
 945 950 955 960

Phe Pro Tyr Lys Asn Leu Pro Ile Glu Asp Ile Thr Asn Ser Thr Leu  
 965 970 975

Val Thr Thr Asn Val Thr Trp Gly Ile Gln Pro Ala Pro Met Pro Val  
 980 985 990

Pro Val Trp Val Ile Ile Leu Ala Val Leu Ala Gly Leu Leu Leu  
 995 1000 1005

Ala Val Leu Val Phe Val Met Tyr Arg Met Gly Phe Phe Lys Arg  
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Val Arg Pro Pro Gln Glu Glu Gln Glu Arg Glu Gln Leu Gln Pro  
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His Glu Asn Gly Glu Gly Asn Ser Glu Thr  
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<210> 19

<211> 3147

<212> ADN

<213> Homo sapiens

<400> 19

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| tactctggcc ccgaggaag ttacttcggc ttgccgtgg atttcttcgt gccagcgcg     | 180 |
| tcttcccga tgtttcttct cgtgggagct cccaaagcaa acaccacca gcctgggatt    | 240 |
| gtggaaggag ggcaggtcct caaatgtgac tggtcttcta cccgccggtg ccagccaatt  | 300 |
| gaatttgatg caacaggcaa tagagattat gccaaaggatg atccattgga atttaagtcc | 360 |
| catcagtggg ttggagcatc tgtgaggtcg aaacaggata aaattttggc ctgtgcccc   | 420 |
| ttgtaccatt ggagaactga gatgaaacag gagcgagagc ctgttgaac atgctttctt   | 480 |

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| cttgggtggc ctggtagctt ttattggcaa ggtcagctta tttcggatca agtggcagaa  | 660  |
| atcgtatcta aatacgaccc caatgtttac agcatcaagt ataataacca attagcaact  | 720  |
| cggactgcac aagctatttt tgatgacagc tatttggggtt attctgtggc tgtcggagat | 780  |
| ttcaatggtg atggcataga tgactttgtt tcaggagttc caagagcagc aaggactttg  | 840  |
| ggaatggttt atatttatga tgggaagaac atgtcctcct tatacaattt tactggcgag  | 900  |
| cagatggctg catatttcgg attttctgta gctgccactg acattaatgg agatgattat  | 960  |
| gcagatgtgt ttattggagc acctctcttc atggatcgtg gctctgatgg caaactccaa  | 1020 |
| gaggtggggc aggtctcagt gtctctacag agagcttcag gagacttcca gacgacaaag  | 1080 |
| ctgaatggat ttgaggctt tgcacggtt ggcagtgcca tagctcctt gggagatctg     | 1140 |
| gaccaggatg gtttcaatga tattgcaatt gctgctccat atgggggtga agataaaaaa  | 1200 |
| ggaattgtt atattctcaa tggaaatca acaggcttga acgcagtccc atctcaaadc    | 1260 |
| cttgaagggc agtgggctgc tcgaagcatg ccaccaagct ttggctattc aatgaaagga  | 1320 |
| gccacagata tagacaaaaa tggatatcca gacttaattg taggagcttt tgggtgtagat | 1380 |
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| ggactgatgc agtgtgagga attgatagcg tatctgcggg atgaatctga atttagagac  | 1740 |
| aaactcactc caattactat ttttatggaa tatcggttgg attatagaac agctgctgat  | 1800 |
| acaacaggct tgcaaccat tcttaaccag ttcacgcctg ctaacattag tcgacaggct   | 1860 |
| cacattctac ttgactgtgg tgaagacaat gtctgtaaac ccaagctgga agtttctgta  | 1920 |
| gatagtgatc aaaagaagat ctatatggg gatgacaacc ctctgacatt gattgttaag   | 1980 |
| gctcagaatc aaggagaagg tgcctacgaa gctgagctca tcgtttccat tccactgcag  | 2040 |
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| gatcatgtct ttcttccgat tccaaactgg gagcacaagg agaaccctga gactgaagaa  | 2400 |
| gatgttgggc cagttgttca gcacatctat gagctgagaa acaatgggtcc aagttcattc | 2460 |
| agcaaggcaa tgctccatct tcagtggcct tacaaatata ataataacac tctgttgtat  | 2520 |
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| gtcacctggg gcattcagcc agcgcccatg cctgtgcctg tgtgggtgat cattttagca  | 3000 |
| gttctagcag gattgttgct actggctgtt ttggtatttg taatgtacag gatgggcttt  | 3060 |
| tttaaacggg tccggccacc tcaagaagaa caagaaaggg agcagcttca acctcatgaa  | 3120 |
| aatggtgaag gaaactcaga aacttaa                                      | 3147 |

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 <213> Secuencia artificial

<220>  
 <223> Región VH

<400> 20

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Ser | Leu | Asn | Leu | Ser | Cys | Ala | Val | Ser | Gly | Phe | Val | Phe | Ser | Arg | Tyr |
|     |     | 20  |     |     |     |     |     | 25  |     |     |     |     | 30  |     |     |

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

Gly Glu Ile Asn Pro Asp Ser Ser Thr Ile Asn Tyr Thr Ser Ser Leu  
50 55 60

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

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

Thr Val Ser Ser  
115

<210> 21  
<211> 348  
<212> ADN  
<213> Secuencia artificial

<220>  
<223> Región VH

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ccagggaaag ggctagaatg gattggagaa attaatccag atagcagtac gataaactat 180  
acgtcatctc taaaggataa attcatcatc tccagagaca acgccaaaaa tacgttgtac 240  
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actacggagg actactgggg tcaaggaacc tcagtcaccg tctcctca 348

<210> 22  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Región VL

<400> 22

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1 5 10 15

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

| 20  |     |     |     |     | 25  |     |     |     |     | 30  |     |     |     |     |     |  |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|--|
| Leu | Ser | Trp | Phe | Gln | Gln | Lys | Pro | Gly | Lys | Ser | Pro | Lys | Thr | Leu | Ile |  |
| 35  |     |     |     |     | 40  |     |     |     |     | 45  |     |     |     |     |     |  |
| Tyr | Tyr | Ala | Asn | Arg | Leu | Val | Asp | Gly | Val | Pro | Ser | Arg | Phe | Ser | Gly |  |
| 50  |     |     |     |     | 55  |     |     |     |     | 60  |     |     |     |     |     |  |
| Ser | Gly | Ser | Gly | Gln | Asp | Tyr | Ser | Leu | Thr | Ile | Ser | Ser | Leu | Glu | Tyr |  |
| 65  |     |     |     |     | 70  |     |     |     |     | 75  |     |     |     |     | 80  |  |
| Glu | Asp | Met | Gly | Ile | Tyr | Tyr | Cys | Leu | Gln | Tyr | Asp | Glu | Phe | Pro | Tyr |  |
| 85  |     |     |     |     | 90  |     |     |     |     | 95  |     |     |     |     |     |  |
| Thr | Phe | Gly | Gly | Gly | Thr | Lys | Leu | Glu | Ile | Lys |     |     |     |     |     |  |
| 100 |     |     |     |     | 105 |     |     |     |     |     |     |     |     |     |     |  |

Ser Leu Arg Leu Ser Cys Ala Val Ser Gly Phe Val Phe Ser Arg Tyr  
20 25 30

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

Gly Glu Ile Asn Pro Asp Ser Ser Thr Ile Asn Tyr Thr Ser Ser Leu  
50 55 60

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Ser Leu Ile Thr Thr Glu Asp Tyr Trp Gly Gln Gly Thr Thr Val  
100 105 110

Thr Val Ser Ser  
115

<210> 25  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> Región VL

<400> 25

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

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

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

Tyr Tyr Ala Asn Arg Leu Val Asp Gly Val Pro Ala Arg Phe Ser Gly  
50 55 60

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 65  |     |     |     |     | 70  |     |     |     |     |     | 75  |     |     |     | 80  |
| Glu | Asp | Phe | Ala | Val | Tyr | Tyr | Cys | Leu | Gln | Tyr | Asp | Glu | Phe | Pro | Tyr |
|     |     |     |     | 85  |     |     |     |     | 90  |     |     |     |     | 95  |     |

|     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Thr | Phe | Gly | Gly | Gly | Thr | Lys | Leu | Glu | Ile | Lys |
|     |     | 100 |     |     |     |     | 105 |     |     |     |

<210> 26  
 <211> 116  
 <212> PRT  
 <213> Secuencia artificial

<220>  
 <223> P2-23

<400> 26

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| 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 | Val | Ser | Gly | Phe | Val | Phe | Ser | Arg | Tyr |
|     |     | 20  |     |     |     |     |     | 25  |     |     |     |     | 30  |     |     |

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

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Gly | Glu | Ile | Asn | Pro | Asp | Ser | Ser | Thr | Ile | Asn | Tyr | Thr | Ser | Ser | Leu |
|     | 50  |     |     |     |     | 55  |     |     |     |     | 60  |     |     |     |     |

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| Lys | Asp | Arg | Phe | Thr | Ile | Ser | Arg | Asp | Asn | Ala | Lys | Asn | Ser | 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 | Ile | Leu | Ile | Thr | Thr | Glu | Asp | Tyr | Trp | Gly | Gln | Gly | Thr | Thr | Val |
|     |     |     | 100 |     |     |     |     | 105 |     |     |     |     | 110 |     |     |

|     |     |     |     |
|-----|-----|-----|-----|
| Thr | Val | Ser | Ser |
|     |     | 115 |     |

<210> 27  
 <211> 116  
 <212> PRT  
 <213> Secuencia artificial

<220>

<223> P2-33

<400> 27

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 Val Ser Gly Phe Val Phe Ser Arg Tyr  
20 25 30

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

Gly Glu Ile Asn Pro Asp Ser Ser Thr Ile Asn Tyr Thr Ser Ser Leu  
50 55 60

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Ile Leu Ile Thr Thr Glu Asp Tyr Trp Gly Gln Gly Thr Thr Val  
100 105 110

Thr Val Ser Ser  
115

<210> 28

<211> 116

<212> PRT

<213> Secuencia artificial

<220>

<223> P2-25

<400> 28

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 Val Ser Gly Phe Val Phe Ser Arg Ser  
20 25 30

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

35                                      40                                      45  
 Gly Glu Ile Asn Pro Asp Ser Ser Thr Ile Asn Tyr Thr Ser Ser Leu  
     50                                      55                                      60  
 Lys Asp Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Ile Leu Ile Thr Thr Glu Asp Tyr Trp Gly Gln Gly Thr Thr Val  
                                     100                                      105                                      110  
 Thr Val Ser Ser  
                                     115  
 <210> 29  
 <211> 116  
 <212> PRT  
 <213> Secuencia artificial  
 <220>  
 <223> P1-21  
 <400> 29  
 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 Val Ser Gly Phe Val Phe Ser Arg Tyr  
                                     20                                      25                                      30  
 Trp Met Ser Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Ile  
                                     35                                      40                                      45  
 Gly Glu Ile Asn Pro Asp Ser Ser Thr Ile Asn Tyr Thr Ser Ser Leu  
     50                                      55                                      60  
 Lys Asp Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Ile Leu Ile Thr Asp Glu Asp Tyr Trp Gly Gln Gly Thr Thr Val  
100 105 110

Thr Val Ser Ser  
115

<210> 30  
<211> 116  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> P1-35

<400> 30

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 Val Ser Gly Phe Val Phe Ser Arg Tyr  
20 25 30

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

Gly Glu Ile Asn Pro Asp Ser Ser Thr Ile Asn Tyr Thr Ser Ser Leu  
50 55 60

Lys Asp Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser 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 Ile Phe Ile Thr Thr Glu Asp Tyr Trp Gly Gln Gly Thr Thr Val  
100 105 110

Thr Val Ser Ser  
115

<210> 31  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> C941

<400> 31

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

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

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

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

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 32

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> P1-42

<400> 32

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

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

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

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

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 33  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> P2-16

<400> 33

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

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

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

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

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 34  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> P2-19

<400> 34

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

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

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

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

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 35

<211> 107

<212> PRT

<213> Secuencia artificial

<220>

<223> P2-36

<400> 35

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

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

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

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

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105

<210> 36  
<211> 107  
<212> PRT  
<213> Secuencia artificial

<220>  
<223> P2-14

<400> 36

Asp Ile Gln Leu Thr Gln Ser Pro Ser Ser Leu Ser Ala Ser Val Gly  
1 5 10 15

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

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

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

Thr Phe Gly Gly Gly Thr Lys Val Glu Ile Lys  
100 105