

LISTADO DE SECUENCIAS

<110> APPLIED MOLECULAR TRANSPORT INC.

<120> CONSTRUCTOS DE ENTREGA PARA TRANSCITOSIS Y MÉTODOS RELACIONADOS

<130> 40566-716.601

<140> PCT/US2019/060356

<141> 2019-11-07

<150> PCT/US2019/050708

<151> 2019-09-11

<150> 62/888,238

<151> 2019-08-16

<150> 62/888,133

<151> 2019-08-16

<150> PCT/US2019/021474

<151> 2019-03-08

<150> 62/756,889

<151> 2018-11-07

<160> 41

<170> PatentIn versión 3.5

<210> 1

<211> 634

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 1

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

Ser	Asp	Val	Val	Leu	Asp	Glu	Gly	Val	Leu	Tyr	Tyr	Ser	Met	Thr	Ile
		35				40						45			

Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser Ile

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

Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg Ser
275 280 285

Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln Ala
290 295 300

Gln Asn Ile Val Ser Leu Phe Val Ala Thr Arg Ile Leu Phe Ser His
305 310 315 320

Leu Asp Ser Val Phe Thr Leu Asn Leu Asp Glu Gln Glu Pro Glu Val
325 330 335

Ala Glu Arg Leu Ser Asp Leu Arg Arg Ile Asn Glu Asn Asn Pro Gly
340 345 350

Met Val Thr Gln Val Leu Thr Val Ala Arg Gln Ile Tyr Asn Asp Tyr
355 360 365

Val Thr His His Pro Gly Leu Thr Pro Glu Gln Thr Ser Ala Gly Ala
370 375 380

Gln Ala Ala Asp Ile Leu Ser Leu Phe Cys Pro Asp Ala Asp Lys Ser
385 390 395 400

Cys Val Ala Ser Asn Asn Asp Gln Ala Asn Ile Asn Ile Glu Ser Arg
405 410 415

Ser Gly Arg Ser Tyr Leu Pro Glu Asn Arg Ala Val Ile Thr Pro Gln
420 425 430

Gly Val Thr Asn Trp Thr Tyr Gln Glu Leu Glu Ala Thr His Gln Ala
435 440 445

Leu Thr Arg Glu Gly Tyr Val Phe Val Gly Tyr His Gly Thr Asn His
450 455 460

Val Ala Ala Gln Thr Ile Val Asn Arg Ile Ala Pro Val Pro Arg Gly
465 470 475 480

Asn Asn Thr Glu Asn Glu Glu Lys Trp Gly Gly Leu Tyr Val Ala Thr

	485		490		495										
His	Ala	Glu	Val	Ala	His	Gly	Tyr	Ala	Arg	Ile	Lys	Glu	Gly	Thr	Gly
			500					505					510		
Glu	Tyr	Gly	Leu	Pro	Thr	Arg	Ala	Glu	Arg	Asp	Ala	Arg	Gly	Val	Met
		515					520				525				
Leu	Arg	Val	Tyr	Ile	Pro	Arg	Ala	Ser	Leu	Glu	Arg	Phe	Tyr	Arg	Thr
	530					535					540				
Asn	Thr	Pro	Leu	Glu	Asn	Ala	Glu	Glu	His	Ile	Thr	Gln	Val	Ile	Gly
545					550					555					560
His	Ser	Leu	Pro	Leu	Arg	Asn	Glu	Ala	Phe	Thr	Gly	Pro	Glu	Ser	Ala
				565					570					575	
Gly	Gly	Glu	Asp	Glu	Thr	Val	Ile	Gly	Trp	Asp	Met	Ala	Ile	His	Ala
			580					585					590		
Val	Ala	Ile	Pro	Ser	Thr	Ile	Pro	Gly	Asn	Ala	Tyr	Glu	Glu	Leu	Ala
		595					600					605			
Ile	Asp	Glu	Glu	Ala	Val	Ala	Lys	Glu	Gln	Ser	Ile	Ser	Thr	Lys	Pro
	610					615					620				
Pro	Tyr	Lys	Glu	Arg	Lys	Asp	Glu	Leu	Lys						
625					630										

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 <212> PRT
 <213> Secuencia artificial

<220>
 <223> Descripción de Secuencia artificial: Polipéptido sintético

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Val	Glu	Glu	Ala	Leu	Asn	Ile	Phe	Asp	Glu	Cys	Arg	Ser	Pro	Cys	Ser
1				5					10					15	

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

20					25					30					
Ser	Asp	Val	Val	Leu	Asp	Glu	Gly	Val	Leu	Tyr	Tyr	Ser	Met	Thr	Ile
		35					40					45			
Asn	Asp	Glu	Gln	Asn	Asp	Ile	Lys	Asp	Glu	Asp	Lys	Gly	Glu	Ser	Ile
	50					55					60				
Ile	Thr	Ile	Gly	Glu	Phe	Ala	Thr	Val	Arg	Ala	Thr	Arg	His	Tyr	Val
65						70					75				80
Asn	Gln	Asp	Ala	Pro	Phe	Gly	Val	Ile	His	Leu	Asp	Ile	Thr	Thr	Glu
				85					90					95	
Asn	Gly	Thr	Lys	Thr	Tyr	Ser	Tyr	Asn	Arg	Lys	Glu	Gly	Glu	Phe	Ala
			100					105					110		
Ile	Asn	Trp	Leu	Val	Pro	Ile	Gly	Glu	Asp	Ser	Pro	Ala	Ser	Ile	Lys
		115					120					125			
Ile	Ser	Val	Asp	Glu	Leu	Asp	Gln	Gln	Arg	Asn	Ile	Ile	Glu	Val	Pro
	130					135					140				
Lys	Leu	Tyr	Ser	Ile	Asp	Leu	Asp	Asn	Gln	Thr	Leu	Glu	Gln	Trp	Lys
145						150					155				160
Thr	Gln	Gly	Asn	Val	Ser	Phe	Ser	Val	Thr	Arg	Pro	Glu	His	Asn	Ile
				165					170					175	
Ala	Ile	Ser	Trp	Pro	Ser	Val	Ser	Tyr	Lys	Ala	Ala	Gln	Lys	Glu	Gly
			180					185					190		
Ser	Arg	His	Lys	Arg	Trp	Ala	His	Trp	His	Thr	Gly	Leu	Ala	Leu	Cys
		195				200						205			
Trp	Leu	Val	Pro	Met	Asp	Ala	Ile	Tyr	Asn	Tyr	Ile	Thr	Gln	Gln	Asn
	210					215					220				
Cys	Thr	Leu	Gly	Asp	Asn	Trp	Phe	Gly	Gly	Ser	Tyr	Glu	Thr	Val	Ala
225						230					235				240

Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys Pro
245 250 255

Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala Leu
260 265 270

Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg Ser
275 280 285

Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln Ala
290 295 300

Gln Asn Ile Val Ser Leu Phe Val Ala Thr Arg Ile Leu Phe Ser His
305 310 315 320

Leu Asp Ser Val Phe Thr Leu Asn Leu Asp Glu Gln Glu Pro Glu Val
325 330 335

Ala Glu Arg Leu Ser Asp Leu Arg Arg Ile Asn Glu Asn Asn Pro Gly
340 345 350

Met Val Thr Gln Val Leu Thr Val Ala Arg Gln Ile Tyr Asn Asp Tyr
355 360 365

Val Thr His His Pro Gly Leu Thr Pro Glu Gln Thr Ser Ala Gly Ala
370 375 380

Gln Ala
385

<210> 3
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<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido
sintético

<400> 3
Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys Ser
1 5 10 15

Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile Pro
20 25 30

Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr Ile
35 40 45

Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser Ile
50 55 60

Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr Val
65 70 75 80

Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr Glu
85 90 95

Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe Ala
100 105 110

Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile Lys
115 120 125

Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val Pro
130 135 140

Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp Lys
145 150 155 160

Thr Gln Gly Asn Val Ser Phe Ser Val Thr Arg Pro Glu His Asn Ile
165 170 175

Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu Gly
180 185 190

Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu Cys
195 200 205

Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln Asn
210 215 220

Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val Ala

225 230 235 240

Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys Pro
245 250 255

Val Glu Gln Arg Ile His Phe Ser Lys Gly
260 265

<210> 4
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<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 4
Leu Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys Ser
1 5 10 15

Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile Pro
20 25 30

Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr Ile
35 40 45

Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser Ile
50 55 60

Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr Val
65 70 75 80

Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr Glu
85 90 95

Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe Ala
100 105 110

Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile Lys
115 120 125

Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val Pro
130 135 140

Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp Lys
145 150 155 160

Thr Gln Gly Asn Val Ser Phe Ser Val Thr Arg Pro Glu His Asn Ile
165 170 175

Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu Gly
180 185 190

Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu Cys
195 200 205

Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln Asn
210 215 220

Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val Ala
225 230 235 240

Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys Pro
245 250 255

Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala Leu
260 265 270

Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg Ser
275 280 285

Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln Ala
290 295 300

Gln Asn Ile Val Ser Leu Phe Val Ala Thr Arg Ile Leu Phe Ser His
305 310 315 320

Leu Asp Ser Val Phe Thr Leu Asn Leu Asp Glu Gln Glu Pro Glu Val
325 330 335

Ala Glu Arg Leu Ser Asp Leu Arg Arg Ile Asn Glu Asn Asn Pro Gly
340 345 350

Met Val Thr Gln Val Leu Thr Val Ala Arg Gln Ile Tyr Asn Asp Tyr
355 360 365

Val Thr His His Pro Gly Leu Thr Pro Glu Gln Thr Ser Ala Gly Ala
370 375 380

Gln Ala
385

<210> 5
<211> 266
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<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 5
Leu Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys Ser
1 5 10 15

Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile Pro
20 25 30

Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr Ile
35 40 45

Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser Ile
50 55 60

Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr Val
65 70 75 80

Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr Glu
85 90 95

Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe Ala
100 105 110

Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile Lys
115 120 125

Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val Pro

130		135		140											
Lys	Leu	Tyr	Ser	Ile	Asp	Leu	Asp	Asn	Gln	Thr	Leu	Glu	Gln	Trp	Lys
145					150					155					160
Thr	Gln	Gly	Asn	Val	Ser	Phe	Ser	Val	Thr	Arg	Pro	Glu	His	Asn	Ile
				165					170					175	
Ala	Ile	Ser	Trp	Pro	Ser	Val	Ser	Tyr	Lys	Ala	Ala	Gln	Lys	Glu	Gly
			180					185					190		
Ser	Arg	His	Lys	Arg	Trp	Ala	His	Trp	His	Thr	Gly	Leu	Ala	Leu	Cys
		195					200					205			
Trp	Leu	Val	Pro	Met	Asp	Ala	Ile	Tyr	Asn	Tyr	Ile	Thr	Gln	Gln	Asn
	210					215					220				
Cys	Thr	Leu	Gly	Asp	Asn	Trp	Phe	Gly	Gly	Ser	Tyr	Glu	Thr	Val	Ala
225					230					235					240
Gly	Thr	Pro	Lys	Val	Ile	Thr	Val	Lys	Gln	Gly	Ile	Glu	Gln	Lys	Pro
				245					250					255	
Val	Glu	Gln	Arg	Ile	His	Phe	Ser	Lys	Gly						
			260					265							

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<220>
 <223> Descripción de Secuencia artificial: Polipéptido sintético

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 Met Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
 1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
 20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
 35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

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

Ile Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu
180 185 190

Gly Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu
195 200 205

Cys Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln
210 215 220

Asn Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val
225 230 235 240

Ala Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys
245 250 255

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala
260 265 270

Leu Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg
275 280 285

Ser Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln
290 295 300

Ala Gln Asn Ile Val Ser Leu Phe Val Ala Thr Arg Ile Leu Phe Ser
305 310 315 320

His Leu Asp Ser Val Phe Thr Leu Asn Leu Asp Glu Gln Glu Pro Glu
325 330 335

Val Ala Glu Arg Leu Ser Asp Leu Arg Arg Ile Asn Glu Asn Asn Pro
340 345 350

Gly Met Val Thr Gln Val Leu Thr Val Ala Arg Gln Ile Tyr Asn Asp
355 360 365

Tyr Val Thr His His Pro Gly Leu Thr Pro Glu Gln Thr Ser Ala Gly
370 375 380

Ala Gln Ala
385

<210> 7
<211> 267
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<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 7
Met Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr

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

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly
260 265

<210> 8

<211> 387

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 8

Met Leu Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

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

Ile Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu
180 185 190

Gly Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu
195 200 205

Cys Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln
210 215 220

Asn Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val
225 230 235 240

Ala Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys
245 250 255

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala
260 265 270

Leu Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg
275 280 285

Ser Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln
290 295 300

Ala Gln Asn Ile Val Ser Leu Phe Val Ala Thr Arg Ile Leu Phe Ser
305 310 315 320

His Leu Asp Ser Val Phe Thr Leu Asn Leu Asp Glu Gln Glu Pro Glu
325 330 335

Val Ala Glu Arg Leu Ser Asp Leu Arg Arg Ile Asn Glu Asn Asn Pro
340 345 350

Gly Met Val Thr Gln Val Leu Thr Val Ala Arg Gln Ile Tyr Asn Asp
355 360 365

Tyr Val Thr His His Pro Gly Leu Thr Pro Glu Gln Thr Ser Ala Gly
370 375 380

Ala Gln Ala
385

<210> 9
<211> 267
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 9
Met Leu Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

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

Ile Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu
180 185 190

Gly Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu
195 200 205

Cys Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln
210 215 220

Asn Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val
225 230 235 240

Ala Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys
245 250 255

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly
260 265

<210> 10

<211> 179

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 10

Met Ala Ala Leu Gln Lys Ser Val Ser Ser Phe Leu Met Gly Thr Leu
1 5 10 15

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

Ala Ala Pro Ile Ser Ser His Cys Arg Leu Asp Lys Ser Asn Phe Gln
35 40 45

Gln Pro Tyr Ile Thr Asn Arg Thr Phe Met Leu Ala Lys Glu Ala Ser
50 55 60

Leu Ala Asp Asn Asn Thr Asp Val Arg Leu Ile Gly Glu Lys Leu Phe
65 70 75 80

His Gly Val Ser Met Ser Glu Arg Cys Tyr Leu Met Lys Gln Val Leu
85 90 95

Asn Phe Thr Leu Glu Glu Val Leu Phe Pro Gln Ser Asp Arg Phe Gln
100 105 110

Pro Tyr Met Gln Glu Val Val Pro Phe Leu Ala Arg Leu Ser Asn Arg
115 120 125

Leu Ser Thr Cys His Ile Glu Gly Asp Asp Leu His Ile Gln Arg Asn
130 135 140

Val Gln Lys Leu Lys Asp Thr Val Lys Lys Leu Gly Glu Ser Gly Glu
145 150 155 160

Ile Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg Asn
165 170 175

Ala Cys Ile

<210> 11
<211> 146
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 11
Ala Pro Ile Ser Ser His Cys Arg Leu Asp Lys Ser Asn Phe Gln Gln
1 5 10 15

Pro Tyr Ile Thr Asn Arg Thr Phe Met Leu Ala Lys Glu Ala Ser Leu
20 25 30

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

Gly Val Ser Met Ser Glu Arg Cys Tyr Leu Met Lys Gln Val Leu Asn

50		55		60
Phe Thr Leu Glu Glu Val Leu Phe Pro Gln Ser Asp Arg Phe Gln Pro				
65		70		75
				80
Tyr Met Gln Glu Val Val Pro Phe Leu Ala Arg Leu Ser Asn Arg Leu				
		85		90
				95
Ser Thr Cys His Ile Glu Gly Asp Asp Leu His Ile Gln Arg Asn Val				
		100		105
				110
Gln Lys Leu Lys Asp Thr Val Lys Lys Leu Gly Glu Ser Gly Glu Ile				
		115		120
				125
Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg Asn Ala				
		130		135
				140
Cys Ile				
145				
<210> 12				
<211> 147				
<212> PRT				
<213> Secuencia artificial				
<220>				
<223> Descripción de Secuencia artificial: Polipéptido sintético				
<400> 12				
Met Ala Pro Ile Ser Ser His Cys Arg Leu Asp Lys Ser Asn Phe Gln				
1		5		10
				15
Gln Pro Tyr Ile Thr Asn Arg Thr Phe Met Leu Ala Lys Glu Ala Ser				
		20		25
				30
Leu Ala Asp Asn Asn Thr Asp Val Arg Leu Ile Gly Glu Lys Leu Phe				
		35		40
				45
His Gly Val Ser Met Ser Glu Arg Cys Tyr Leu Met Lys Gln Val Leu				
		50		55
				60
Asn Phe Thr Leu Glu Glu Val Leu Phe Pro Gln Ser Asp Arg Phe Gln				
65		70		75
				80

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

Leu Ser Thr Cys His Ile Glu Gly Asp Asp Leu His Ile Gln Arg Asn
100 105 110

Val Gln Lys Leu Lys Asp Thr Val Lys Lys Leu Gly Glu Ser Gly Glu
115 120 125

Ile Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg Asn
130 135 140

Ala Cys Ile
145

<210> 13
<211> 15
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 13
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
1 5 10 15

<210> 14
<211> 548
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 14
Met Leu Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

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

Ile Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu
180 185 190

Gly Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu
195 200 205

Cys Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln
210 215 220

Asn Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val
225 230 235 240

Ala Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys
245 250 255

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala
260 265 270

Leu Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg
275 280 285

Ser Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln
290 295 300

Ala Gln Asn Ile Val Ser Leu Phe Val Ala Thr Arg Ile Leu Phe Ser
305 310 315 320

His Leu Asp Ser Val Phe Thr Leu Asn Leu Asp Glu Gln Glu Pro Glu
325 330 335

Val Ala Glu Arg Leu Ser Asp Leu Arg Arg Ile Asn Glu Asn Asn Pro
340 345 350

Gly Met Val Thr Gln Val Leu Thr Val Ala Arg Gln Ile Tyr Asn Asp
355 360 365

Tyr Val Thr His His Pro Gly Leu Thr Pro Glu Gln Thr Ser Ala Gly
370 375 380

Ala Gln Ala Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
385 390 395 400

Gly Ser Ala Pro Ile Ser Ser His Cys Arg Leu Asp Lys Ser Asn Phe
405 410 415

Gln Gln Pro Tyr Ile Thr Asn Arg Thr Phe Met Leu Ala Lys Glu Ala
420 425 430

Ser Leu Ala Asp Asn Asn Thr Asp Val Arg Leu Ile Gly Glu Lys Leu
435 440 445

Phe His Gly Val Ser Met Ser Glu Arg Cys Tyr Leu Met Lys Gln Val
450 455 460

Leu Asn Phe Thr Leu Glu Glu Val Leu Phe Pro Gln Ser Asp Arg Phe
465 470 475 480

Gln Pro Tyr Met Gln Glu Val Val Pro Phe Leu Ala Arg Leu Ser Asn
485 490 495

Arg Leu Ser Thr Cys His Ile Glu Gly Asp Asp Leu His Ile Gln Arg
500 505 510

Asn Val Gln Lys Leu Lys Asp Thr Val Lys Lys Leu Gly Glu Ser Gly
515 520 525

Glu Ile Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg
530 535 540

Asn Ala Cys Ile
545

<210> 15

<211> 428

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 15

Met Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

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

Ile Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu
180 185 190

Gly Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu
195 200 205

Cys Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln
210 215 220

Asn Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val
225 230 235 240

Ala Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys
245 250 255

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Pro Ile Ser Ser His
275 280 285

Cys Arg Leu Asp Lys Ser Asn Phe Gln Gln Pro Tyr Ile Thr Asn Arg
290 295 300

Thr Phe Met Leu Ala Lys Glu Ala Ser Leu Ala Asp Asn Asn Thr Asp

305 310 315 320

Val Arg Leu Ile Gly Glu Lys Leu Phe His Gly Val Ser Met Ser Glu
325 330 335

Arg Cys Tyr Leu Met Lys Gln Val Leu Asn Phe Thr Leu Glu Glu Val
340 345 350

Leu Phe Pro Gln Ser Asp Arg Phe Gln Pro Tyr Met Gln Glu Val Val
355 360 365

Pro Phe Leu Ala Arg Leu Ser Asn Arg Leu Ser Thr Cys His Ile Glu
370 375 380

Gly Asp Asp Leu His Ile Gln Arg Asn Val Gln Lys Leu Lys Asp Thr
385 390 395 400

Val Lys Lys Leu Gly Glu Ser Gly Glu Ile Lys Ala Ile Gly Glu Leu
405 410 415

Asp Leu Leu Phe Met Ser Leu Arg Asn Ala Cys Ile
420 425

<210> 16

<211> 548

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 16

Met Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

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

Ile Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu
180 185 190

Gly Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu
195 200 205

Cys Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln
210 215 220

Asn Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val
225 230 235 240

Ala Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys
245 250 255

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala
260 265 270

Leu Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg
275 280 285

Ser Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln
290 295 300

Ala Gln Asn Ile Val Ser Leu Phe Val Ala Thr Arg Ile Leu Phe Ser
305 310 315 320

His Leu Asp Ser Val Phe Thr Leu Asn Leu Asp Glu Gln Glu Pro Glu
325 330 335

Val Ala Glu Arg Leu Ser Asp Leu Arg Arg Ile Asn Glu Asn Asn Pro
340 345 350

Gly Met Val Thr Gln Val Leu Thr Val Ala Arg Gln Ile Tyr Asn Asp
355 360 365

Tyr Val Thr His His Pro Gly Leu Thr Pro Glu Gln Thr Ser Ala Gly
370 375 380

Ala Gln Ala Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
385 390 395 400

Gly Ser Ala Pro Ile Ser Ser His Cys Arg Leu Asp Lys Ser Asn Phe
405 410 415

Gln Gln Pro Tyr Ile Thr Asn Arg Thr Phe Met Leu Ala Lys Glu Ala
420 425 430

Ser Leu Ala Asp Asn Asn Thr Asp Val Arg Leu Ile Gly Glu Lys Leu
435 440 445

Phe His Gly Val Ser Met Ser Glu Arg Cys Tyr Leu Met Lys Gln Val
450 455 460

Leu Asn Phe Thr Leu Glu Glu Val Leu Phe Pro Gln Ser Asp Arg Phe
465 470 475 480

Gln Pro Tyr Met Gln Glu Val Val Pro Phe Leu Ala Arg Leu Ser Asn
485 490 495

Arg Leu Ser Thr Cys His Ile Glu Gly Asp Asp Leu His Ile Gln Arg
500 505 510

Asn Val Gln Lys Leu Lys Asp Thr Val Lys Lys Leu Gly Glu Ser Gly
515 520 525

Glu Ile Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg
530 535 540

Asn Ala Cys Ile
545

<210> 17

<211> 428

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 17

Met Leu Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

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

Ile Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu
180 185 190

Gly Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu
195 200 205

Cys Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln
210 215 220

Asn Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val
225 230 235 240

Ala Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys
245 250 255

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly Gly Gly Gly Ser
260 265 270

Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Pro Ile Ser Ser His
275 280 285

Cys Arg Leu Asp Lys Ser Asn Phe Gln Gln Pro Tyr Ile Thr Asn Arg
290 295 300

Thr Phe Met Leu Ala Lys Glu Ala Ser Leu Ala Asp Asn Asn Thr Asp
305 310 315 320

Val Arg Leu Ile Gly Glu Lys Leu Phe His Gly Val Ser Met Ser Glu

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325
330
335
Arg Cys Tyr Leu Met Lys Gln Val Leu Asn Phe Thr Leu Glu Glu Val
340 345 350
Leu Phe Pro Gln Ser Asp Arg Phe Gln Pro Tyr Met Gln Glu Val Val
355 360 365
Pro Phe Leu Ala Arg Leu Ser Asn Arg Leu Ser Thr Cys His Ile Glu
370 375 380
Gly Asp Asp Leu His Ile Gln Arg Asn Val Gln Lys Leu Lys Asp Thr
385 390 395 400
Val Lys Lys Leu Gly Glu Ser Gly Glu Ile Lys Ala Ile Gly Glu Leu
405 410 415
Asp Leu Leu Phe Met Ser Leu Arg Asn Ala Cys Ile
420 425
<210> 18
<211> 547
<212> PRT
<213> Secuencia artificial
<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético
<400> 18
Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys Ser
1 5 10 15
Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile Pro
20 25 30
Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr Ile
35 40 45
Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser Ile
50 55 60
Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr Val
65 70 75 80

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Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr Glu
85 90 95

Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe Ala
100 105 110

Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile Lys
115 120 125

Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val Pro
130 135 140

Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp Lys
145 150 155 160

Thr Gln Gly Asn Val Ser Phe Ser Val Thr Arg Pro Glu His Asn Ile
165 170 175

Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu Gly
180 185 190

Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu Cys
195 200 205

Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln Asn
210 215 220

Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val Ala
225 230 235 240

Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys Pro
245 250 255

Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala Leu
260 265 270

Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg Ser
275 280 285

Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln Ala
290 295 300

Gln Asn Ile Val Ser Leu Phe Val Ala Thr Arg Ile Leu Phe Ser His
305 310 315 320

Leu Asp Ser Val Phe Thr Leu Asn Leu Asp Glu Gln Glu Pro Glu Val
325 330 335

Ala Glu Arg Leu Ser Asp Leu Arg Arg Ile Asn Glu Asn Asn Pro Gly
340 345 350

Met Val Thr Gln Val Leu Thr Val Ala Arg Gln Ile Tyr Asn Asp Tyr
355 360 365

Val Thr His His Pro Gly Leu Thr Pro Glu Gln Thr Ser Ala Gly Ala
370 375 380

Gln Ala Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
385 390 395 400

Ser Ala Pro Ile Ser Ser His Cys Arg Leu Asp Lys Ser Asn Phe Gln
405 410 415

Gln Pro Tyr Ile Thr Asn Arg Thr Phe Met Leu Ala Lys Glu Ala Ser
420 425 430

Leu Ala Asp Asn Asn Thr Asp Val Arg Leu Ile Gly Glu Lys Leu Phe
435 440 445

His Gly Val Ser Met Ser Glu Arg Cys Tyr Leu Met Lys Gln Val Leu
450 455 460

Asn Phe Thr Leu Glu Glu Val Leu Phe Pro Gln Ser Asp Arg Phe Gln
465 470 475 480

Pro Tyr Met Gln Glu Val Val Pro Phe Leu Ala Arg Leu Ser Asn Arg
485 490 495

Leu Ser Thr Cys His Ile Glu Gly Asp Asp Leu His Ile Gln Arg Asn
500 505 510

Val Gln Lys Leu Lys Asp Thr Val Lys Lys Leu Gly Glu Ser Gly Glu
515 520 525

Ile Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg Asn
530 535 540

Ala Cys Ile
545

<210> 19
<211> 547
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 19
Leu Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys Ser
1 5 10 15

Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile Pro
20 25 30

Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr Ile
35 40 45

Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser Ile
50 55 60

Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr Val
65 70 75 80

Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr Glu
85 90 95

Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe Ala
100 105 110

Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile Lys
115 120 125

Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val Pro
130 135 140

Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp Lys
145 150 155 160

Thr Gln Gly Asn Val Ser Phe Ser Val Thr Arg Pro Glu His Asn Ile
165 170 175

Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu Gly
180 185 190

Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu Cys
195 200 205

Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln Asn
210 215 220

Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val Ala
225 230 235 240

Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys Pro
245 250 255

Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala Leu
260 265 270

Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg Ser
275 280 285

Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln Ala
290 295 300

Gln Asn Ile Val Ser Leu Phe Val Ala Thr Arg Ile Leu Phe Ser His
305 310 315 320

Leu Asp Ser Val Phe Thr Leu Asn Leu Asp Glu Gln Glu Pro Glu Val
325 330 335

Ala Glu Arg Leu Ser Asp Leu Arg Arg Ile Asn Glu Asn Asn Pro Gly

[illegible]

<210> 20
<211> 427
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 20
Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys Ser
1 5 10 15

Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile Pro
20 25 30

Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr Ile
35 40 45

Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser Ile
50 55 60

Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr Val
65 70 75 80

Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr Glu
85 90 95

Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe Ala
100 105 110

Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile Lys
115 120 125

Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val Pro
130 135 140

Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp Lys
145 150 155 160

Thr Gln Gly Asn Val Ser Phe Ser Val Thr Arg Pro Glu His Asn Ile
165 170 175

Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu Gly
180 185 190

Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu Cys
195 200 205

Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln Asn
210 215 220

Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val Ala
225 230 235 240

Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys Pro
245 250 255

Val Glu Gln Arg Ile His Phe Ser Lys Gly Gly Gly Gly Gly Ser Gly
260 265 270

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Pro Ile Ser Ser His Cys
275 280 285

Arg Leu Asp Lys Ser Asn Phe Gln Gln Pro Tyr Ile Thr Asn Arg Thr
290 295 300

Phe Met Leu Ala Lys Glu Ala Ser Leu Ala Asp Asn Asn Thr Asp Val
305 310 315 320

Arg Leu Ile Gly Glu Lys Leu Phe His Gly Val Ser Met Ser Glu Arg
325 330 335

Cys Tyr Leu Met Lys Gln Val Leu Asn Phe Thr Leu Glu Glu Val Leu
340 345 350

Phe Pro Gln Ser Asp Arg Phe Gln Pro Tyr Met Gln Glu Val Val Pro
355 360 365

Phe Leu Ala Arg Leu Ser Asn Arg Leu Ser Thr Cys His Ile Glu Gly
370 375 380

Asp Asp Leu His Ile Gln Arg Asn Val Gln Lys Leu Lys Asp Thr Val
385 390 395 400

Lys Lys Leu Gly Glu Ser Gly Glu Ile Lys Ala Ile Gly Glu Leu Asp
405 410 415

Leu Leu Phe Met Ser Leu Arg Asn Ala Cys Ile
420 425

<210> 21

<211> 427

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 21

Leu Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys Ser
1 5 10 15

Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile Pro
20 25 30

Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr Ile
35 40 45

Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser Ile
50 55 60

Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr Val
65 70 75 80

Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr Glu
85 90 95

Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe Ala
100 105 110

Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile Lys
115 120 125

Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val Pro
130 135 140

Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp Lys
145 150 155 160

Thr Gln Gly Asn Val Ser Phe Ser Val Thr Arg Pro Glu His Asn Ile
165 170 175

Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu Gly
180 185 190

Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu Cys
195 200 205

Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln Asn
210 215 220

Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val Ala
225 230 235 240

Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys Pro
245 250 255

Val Glu Gln Arg Ile His Phe Ser Lys Gly Gly Gly Gly Gly Ser Gly
260 265 270

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Pro Ile Ser Ser His Cys
275 280 285

Arg Leu Asp Lys Ser Asn Phe Gln Gln Pro Tyr Ile Thr Asn Arg Thr
290 295 300

Phe Met Leu Ala Lys Glu Ala Ser Leu Ala Asp Asn Asn Thr Asp Val
305 310 315 320

Arg Leu Ile Gly Glu Lys Leu Phe His Gly Val Ser Met Ser Glu Arg
325 330 335

Cys Tyr Leu Met Lys Gln Val Leu Asn Phe Thr Leu Glu Glu Val Leu
340 345 350

Phe Pro Gln Ser Asp Arg Phe Gln Pro Tyr Met Gln Glu Val Val Pro

355		360		365											
Phe	Leu	Ala	Arg	Leu	Ser	Asn	Arg	Leu	Ser	Thr	Cys	His	Ile	Glu	Gly
	370					375					380				
Asp	Asp	Leu	His	Ile	Gln	Arg	Asn	Val	Gln	Lys	Leu	Lys	Asp	Thr	Val
385					390					395					400
Lys	Lys	Leu	Gly	Glu	Ser	Gly	Glu	Ile	Lys	Ala	Ile	Gly	Glu	Leu	Asp
			405						410					415	
Leu	Leu	Phe	Met	Ser	Leu	Arg	Asn	Ala	Cys	Ile					
			420					425							
<210> 22															
<211> 634															
<212> PRT															
<213> Secuencia artificial															
<220>															
<223> Descripción de Secuencia artificial: Polipéptido sintético															
<400> 22															
Leu	Glu	Glu	Ala	Leu	Asn	Ile	Phe	Asp	Glu	Cys	Arg	Ser	Pro	Cys	Ser
1				5					10					15	
Leu	Thr	Pro	Glu	Pro	Gly	Lys	Pro	Ile	Gln	Ser	Lys	Leu	Ser	Ile	Pro
			20					25					30		
Ser	Asp	Val	Val	Leu	Asp	Glu	Gly	Val	Leu	Tyr	Tyr	Ser	Met	Thr	Ile
		35					40					45			
Asn	Asp	Glu	Gln	Asn	Asp	Ile	Lys	Asp	Glu	Asp	Lys	Gly	Glu	Ser	Ile
	50					55					60				
Ile	Thr	Ile	Gly	Glu	Phe	Ala	Thr	Val	Arg	Ala	Thr	Arg	His	Tyr	Val
65					70					75				80	
Asn	Gln	Asp	Ala	Pro	Phe	Gly	Val	Ile	His	Leu	Asp	Ile	Thr	Thr	Glu
				85					90					95	
Asn	Gly	Thr	Lys	Thr	Tyr	Ser	Tyr	Asn	Arg	Lys	Glu	Gly	Glu	Phe	Ala
			100					105					110		

Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile Lys
115 120 125

Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val Pro
130 135 140

Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp Lys
145 150 155 160

Thr Gln Gly Asn Val Ser Phe Ser Val Thr Arg Pro Glu His Asn Ile
165 170 175

Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu Gly
180 185 190

Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu Cys
195 200 205

Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln Asn
210 215 220

Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val Ala
225 230 235 240

Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys Pro
245 250 255

Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala Leu
260 265 270

Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg Ser
275 280 285

Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln Ala
290 295 300

Gln Asn Ile Val Ser Leu Phe Val Ala Thr Arg Ile Leu Phe Ser His
305 310 315 320

Leu Asp Ser Val Phe Thr Leu Asn Leu Asp Glu Gln Glu Pro Glu Val
325 330 335

Ala Glu Arg Leu Ser Asp Leu Arg Arg Ile Asn Glu Asn Asn Pro Gly
340 345 350

Met Val Thr Gln Val Leu Thr Val Ala Arg Gln Ile Tyr Asn Asp Tyr
355 360 365

Val Thr His His Pro Gly Leu Thr Pro Glu Gln Thr Ser Ala Gly Ala
370 375 380

Gln Ala Ala Asp Ile Leu Ser Leu Phe Cys Pro Asp Ala Asp Lys Ser
385 390 395 400

Cys Val Ala Ser Asn Asn Asp Gln Ala Asn Ile Asn Ile Glu Ser Arg
405 410 415

Ser Gly Arg Ser Tyr Leu Pro Glu Asn Arg Ala Val Ile Thr Pro Gln
420 425 430

Gly Val Thr Asn Trp Thr Tyr Gln Glu Leu Glu Ala Thr His Gln Ala
435 440 445

Leu Thr Arg Glu Gly Tyr Val Phe Val Gly Tyr His Gly Thr Asn His
450 455 460

Val Ala Ala Gln Thr Ile Val Asn Arg Ile Ala Pro Val Pro Arg Gly
465 470 475 480

Asn Asn Thr Glu Asn Glu Glu Lys Trp Gly Gly Leu Tyr Val Ala Thr
485 490 495

His Ala Glu Val Ala His Gly Tyr Ala Arg Ile Lys Glu Gly Thr Gly
500 505 510

Glu Tyr Gly Leu Pro Thr Arg Ala Glu Arg Asp Ala Arg Gly Val Met
515 520 525

Leu Arg Val Tyr Ile Pro Arg Ala Ser Leu Glu Arg Phe Tyr Arg Thr
530 535 540

Asn Thr Pro Leu Glu Asn Ala Glu Glu His Ile Thr Gln Val Ile Gly
545 550 555 560

His Ser Leu Pro Leu Arg Asn Glu Ala Phe Thr Gly Pro Glu Ser Ala
565 570 575

Gly Gly Glu Asp Glu Thr Val Ile Gly Trp Asp Met Ala Ile His Ala
580 585 590

Val Ala Ile Pro Ser Thr Ile Pro Gly Asn Ala Tyr Glu Glu Leu Ala
595 600 605

Ile Asp Glu Glu Ala Val Ala Lys Glu Gln Ser Ile Ser Thr Lys Pro
610 615 620

Pro Tyr Lys Glu Arg Lys Asp Glu Leu Lys
625 630

<210> 23

<211> 635

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 23

Met Leu Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

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

Ile Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu
180 185 190

Gly Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu
195 200 205

Cys Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln
210 215 220

Asn Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val
225 230 235 240

Ala Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys
245 250 255

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala
260 265 270

Leu Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg
275 280 285

Ser Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln

290	295	300														
Ala	Gln	Asn	Ile	Val	Ser	Leu	Phe	Val	Ala	Thr	Arg	Ile	Leu	Phe	Ser	
305					310					315					320	
His	Leu	Asp	Ser	Val	Phe	Thr	Leu	Asn	Leu	Asp	Glu	Gln	Glu	Pro	Glu	
				325					330					335		
Val	Ala	Glu	Arg	Leu	Ser	Asp	Leu	Arg	Arg	Ile	Asn	Glu	Asn	Asn	Pro	
			340					345					350			
Gly	Met	Val	Thr	Gln	Val	Leu	Thr	Val	Ala	Arg	Gln	Ile	Tyr	Asn	Asp	
	355						360					365				
Tyr	Val	Thr	His	His	Pro	Gly	Leu	Thr	Pro	Glu	Gln	Thr	Ser	Ala	Gly	
	370					375					380					
Ala	Gln	Ala	Ala	Asp	Ile	Leu	Ser	Leu	Phe	Cys	Pro	Asp	Ala	Asp	Lys	
385					390					395					400	
Ser	Cys	Val	Ala	Ser	Asn	Asn	Asp	Gln	Ala	Asn	Ile	Asn	Ile	Glu	Ser	
				405					410					415		
Arg	Ser	Gly	Arg	Ser	Tyr	Leu	Pro	Glu	Asn	Arg	Ala	Val	Ile	Thr	Pro	
			420					425					430			
Gln	Gly	Val	Thr	Asn	Trp	Thr	Tyr	Gln	Glu	Leu	Glu	Ala	Thr	His	Gln	
		435					440					445				
Ala	Leu	Thr	Arg	Glu	Gly	Tyr	Val	Phe	Val	Gly	Tyr	His	Gly	Thr	Asn	
	450					455					460					
His	Val	Ala	Ala	Gln	Thr	Ile	Val	Asn	Arg	Ile	Ala	Pro	Val	Pro	Arg	
465					470					475					480	
Gly	Asn	Asn	Thr	Glu	Asn	Glu	Glu	Lys	Trp	Gly	Gly	Leu	Tyr	Val	Ala	
				485					490					495		
Thr	His	Ala	Glu	Val	Ala	His	Gly	Tyr	Ala	Arg	Ile	Lys	Glu	Gly	Thr	
			500					505					510			

Gly Glu Tyr Gly Leu Pro Thr Arg Ala Glu Arg Asp Ala Arg Gly Val
515 520 525

Met Leu Arg Val Tyr Ile Pro Arg Ala Ser Leu Glu Arg Phe Tyr Arg
530 535 540

Thr Asn Thr Pro Leu Glu Asn Ala Glu Glu His Ile Thr Gln Val Ile
545 550 555 560

Gly His Ser Leu Pro Leu Arg Asn Glu Ala Phe Thr Gly Pro Glu Ser
565 570 575

Ala Gly Gly Glu Asp Glu Thr Val Ile Gly Trp Asp Met Ala Ile His
580 585 590

Ala Val Ala Ile Pro Ser Thr Ile Pro Gly Asn Ala Tyr Glu Glu Leu
595 600 605

Ala Ile Asp Glu Glu Ala Val Ala Lys Glu Gln Ser Ile Ser Thr Lys
610 615 620

Pro Pro Tyr Lys Glu Arg Lys Asp Glu Leu Lys
625 630 635

<210> 24
<211> 427
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 24
Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys Ser
1 5 10 15

Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile Pro
20 25 30

Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr Ile
35 40 45

Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser Ile
50 55 60

Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr Val
65 70 75 80

Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr Glu
85 90 95

Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe Ala
100 105 110

Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile Lys
115 120 125

Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val Pro
130 135 140

Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp Lys
145 150 155 160

Thr Gln Gly Asn Val Ser Phe Ser Val Thr Arg Pro Glu His Asn Ile
165 170 175

Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu Gly
180 185 190

Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu Cys
195 200 205

Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln Asn
210 215 220

Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val Ala
225 230 235 240

Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys Pro
245 250 255

Val Glu Gln Arg Ile His Phe Ser Lys Gly Gly Gly Gly Gly Ser Gly
260 265 270

Gly Gly Gly Ser Gly Gly Gly Gly Ser Ala Pro Ile Ser Ser His Cys
275 280 285

Arg Leu Asp Lys Ser Asn Phe Gln Gln Pro Tyr Ile Thr Asn Arg Thr
290 295 300

Phe Met Leu Ala Lys Glu Ala Ser Leu Ala Asp Asn Asn Thr Asp Val
305 310 315 320

Arg Leu Ile Gly Glu Lys Leu Phe His Gly Val Ser Met Ser Glu Arg
325 330 335

Cys Tyr Leu Met Lys Gln Val Leu Asn Phe Thr Leu Glu Glu Val Leu
340 345 350

Phe Pro Gln Ser Asp Arg Phe Gln Pro Tyr Met Gln Glu Val Val Pro
355 360 365

Phe Leu Ala Arg Leu Ser Asn Arg Leu Ser Thr Cys His Ile Glu Gly
370 375 380

Asp Asp Leu His Ile Gln Arg Asn Val Gln Lys Leu Lys Asp Thr Val
385 390 395 400

Lys Lys Leu Gly Glu Ser Gly Glu Ile Lys Ala Ile Gly Glu Leu Asp
405 410 415

Leu Leu Phe Met Ser Leu Arg Asn Ala Cys Ile
420 425

<210> 25
<211> 427
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 25
Leu Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys Ser
1 5 10 15

Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile Pro
20 25 30

Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr Ile
35 40 45

Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser Ile
50 55 60

Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr Val
65 70 75 80

Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr Glu
85 90 95

Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe Ala
100 105 110

Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile Lys
115 120 125

Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val Pro
130 135 140

Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp Lys
145 150 155 160

Thr Gln Gly Asn Val Ser Phe Ser Val Thr Arg Pro Glu His Asn Ile
165 170 175

Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu Gly
180 185 190

Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu Cys
195 200 205

Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln Asn
210 215 220

Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val Ala

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

<210> 26
 <211> 649
 <212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<220>

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<222> (1)..(1)

<223> V o L

<220>

<221> MOD_RES

<222> (3)..(3)

<223> E o D

<220>

<221> MOD_RES

<222> (4)..(4)

<223> A o E

<220>

<221> MOD_RES

<222> (6)..(6)

<223> N o K

<220>

<221> MOD_RES

<222> (16)..(16)

<223> S o L

<220>

<221> MOD_RES

<222> (21)..(21)

<223> P o L

<220>

<221> MOD_RES

<222> (24)..(24)

<223> P o Q

<220>

<221> MOD_RES

<222> (30)..(30)

<223> S o F

<220>

<221> MOD_RES

<222> (33)..(33)

<223> S o G

<220>

<221> MOD_RES

<222> (56)..(56)

<223> K o M

<220>

<221> MOD_RES

<222> (59)..(59)

<223> D o G

<220>

<221> MOD_RES

<222> (67)..(67)

<223> I o F

<220>

<221> MOD_RES

<222> (73)..(73)

<223> V o I

<220>

<221> MOD_RES

<222> (81)..(81)

<223> N o S

<220>

<221> MOD_RES

<222> (90)..(90)

<223> H o N

<220>

<221> MOD_RES

<222> (101)..(101)

<223> T o M

<220>

<221> MOD_RES

<222> (104)..(104)

<223> Y o F

<220>

<221> MOD_RES

<222> (108)..(108)

<223> E o D

<220>

<221> MOD_RES

<222> (109)..(109)

<223> G o S

<220>

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<222> (112)..(112)

<223> A o T

<220>

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<222> (114)..(114)
<223> N o H

<220>
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<222> (118)..(118)
<223> P o I

<220>
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<222> (119)..(119)
<223> I o P

<220>
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<222> (131)..(131)
<223> V o I

<220>
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<222> (134)..(134)
<223> L o I

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<222> (137)..(137)
<223> Q o K

<220>
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<222> (160)..(160)
<223> K o E

<220>
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<222> (161)..(161)
<223> T o N

<220>
<221> MOD_RES
<222> (166)..(166)
<223> S o F

<220>
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<222> (168)..(168)
<223> S o A

<220>
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<222> (174)..(174)
<223> H o Q

<220>

<221> MOD_RES
<222> (175)..(185)
<223> Esta región puede comprender una de las siguientes secuencias:
"N", "S", "SIKQS", o "SIKQSIKQS"

<220>
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<222> (196)..(196)
<223> K o N

<220>
<221> MOD_RES
<222> (199)..(199)
<223> Q, E, o H

<220>
<221> MOD_RES
<222> (201)..(201)
<223> E, N, o D

<220>
<221> MOD_RES
<222> (203)..(203)
<223> S o A

<220>
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<222> (210)..(210)
<223> H o N

<220>
<221> MOD_RES
<222> (212)..(212)
<223> H, L, F, o R

<220>
<221> MOD_RES
<222> (214)..(214)
<223> G o T

<220>
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<222> (215)..(215)
<223> L o S

<220>
<221> MOD_RES
<222> (216)..(216)
<223> A o P

<220>
<221> MOD_RES
<222> (217)..(217)
<223> L, E, o K

<220>
<221> MOD_RES
<222> (218)..(218)
<223> C o V

<220>
<221> MOD_RES
<222> (219)..(219)
<223> W, V, o T

<220>
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<222> (221)..(221)
<223> V o ausente

<220>
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<222> (222)..(222)
<223> P o ausente

<220>
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<222> (223)..(223)
<223> M, I, L o ausente

<220>
<221> MOD_RES
<222> (224)..(224)
<223> D o ausente

<220>
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<222> (225)..(225)
<223> A o ausente

<220>
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<222> (226)..(226)
<223> I o ausente

<220>
<221> MOD_RES
<222> (227)..(227)
<223> Y o C

<220>
<221> MOD_RES
<222> (228)..(228)
<223> N o F

<220>
<221> MOD_RES
<222> (229)..(229)

<223> Y o F

<220>

<221> MOD_RES

<222> (230)..(230)

<223> I o E

<220>

<221> MOD_RES

<222> (231)..(231)

<223> T o D

<220>

<221> MOD_RES

<222> (232)..(232)

<223> Q o P

<220>

<221> MOD_RES

<222> (233)..(233)

<223> Q, E, o A

<220>

<221> MOD_RES

<222> (234)..(234)

<223> N, L o Q

<220>

<221> MOD_RES

<222> (237)..(237)

<223> L o Y

<220>

<221> MOD_RES

<222> (239)..(239)

<223> D o E

<220>

<221> MOD_RES

<222> (240)..(240)

<223> N o D

<220>

<221> MOD_RES

<222> (242)..(242)

<223> F, H o Y

<220>

<221> MOD_RES

<222> (245)..(245)

<223> S o A

<220>

<221> MOD_RES

<222> (247)..(247)
<223> E o K

<220>
<221> MOD_RES
<222> (252)..(252)
<223> T o I

<220>
<221> MOD_RES
<222> (254)..(254)
<223> K, E o G

<220>
<221> MOD_RES
<222> (255)..(255)
<223> V o A

<220>
<221> MOD_RES
<222> (257)..(257)
<223> T o M

<220>
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<222> (262)..(262)
<223> I o M

<220>
<221> MOD_RES
<222> (266)..(266)
<223> P, T o A

<220>
<221> MOD_RES
<222> (275)..(275)
<223> K, Q o N

<220>
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<222> (276)..(276)
<223> G o K

<220>
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<222> (279)..(279)
<223> M o I

<220>
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<222> (280)..(280)
<223> S o E

<220>

<221> MOD_RES
<222> (281)..(281)
<223> A o T

<220>
<221> MOD_RES
<222> (298)..(298)
<223> S o G

<220>
<221> MOD_RES
<222> (303)..(303)
<223> D o Y

<220>
<221> MOD_RES
<222> (305)..(305)
<223> T, P, o Q

<220>
<221> MOD_RES
<222> (309)..(309)
<223> S o Q

<220>
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<222> (311)..(311)
<223> A o V

<220>
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<222> (313)..(313)
<223> Q o N

<220>
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<222> (316)..(316)
<223> N o Q

<220>
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<222> (322)..(322)
<223> V o L

<220>
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<222> (326)..(326)
<223> I o M

<220>
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<222> (329)..(329)
<223> S o T

<220>
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<222> (331)..(331)
<223> L o I

<220>
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<222> (334)..(334)
<223> V o I

<220>
<221> MOD_RES
<222> (340)..(340)
<223> D, E, o H

<220>
<221> MOD_RES
<222> (341)..(341)
<223> E o G

<220>
<221> MOD_RES
<222> (343)..(343)
<223> E o A

<220>
<221> MOD_RES
<222> (345)..(345)
<223> E o A

<220>
<221> MOD_RES
<222> (347)..(347)
<223> A o T

<220>
<221> MOD_RES
<222> (351)..(351)
<223> S, D, o T

<220>
<221> MOD_RES
<222> (352)..(352)
<223> D o A

<220>
<221> MOD_RES
<222> (353)..(353)
<223> L o I

<220>
<221> MOD_RES
<222> (355)..(355)
<223> R o Q

<220>
<221> MOD_RES
<222> (359)..(359)
<223> N o D

<220>
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<222> (363)..(363)
<223> M o V

<220>
<221> MOD_RES
<222> (365)..(365)
<223> T o I

<220>
<221> MOD_RES
<222> (370)..(370)
<223> V o I

<220>
<221> MOD_RES
<222> (381)..(381)
<223> H o E

<220>
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<222> (384)..(384)
<223> G o L

<220>
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<223> T o I

<220>
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<223> F o L

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<223> C o Y

<220>
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<223> A o T

<220>

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<222> (409)..(409)

<223> K, E, o G

<220>

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<222> (410)..(410)

<223> S, P, o H

<220>

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<222> (414)..(414)

<223> S o L

<220>

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<222> (415)..(415)

<223> N o D

<220>

<221> MOD_RES

<222> (416)..(416)

<223> N o S

<220>

<221> MOD_RES

<222> (423)..(423)

<223> I o V

<220>

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<222> (433)..(433)

<223> P o L

<220>

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<222> (441)..(441)

<223> P o Q

<220>

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<222> (453)..(453)

<223> E o D

<220>

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<223> A o T

<220>

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<222> (455)..(455)
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<220>
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<223> A o T

<220>
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<223> R o Q

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<223> G o D

<220>
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<223> V o A

<220>
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<223> N o D

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<223> N, S o K

<220>
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<223> E, R o K

<220>

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<223> K, A o E

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<223> L o V

<220>
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<220>
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<223> H o D

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<223> E o S

<220>
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<223> V o L

<220>
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<223> A o N

<220>
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<223> H o Y

<220>
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<223> G o R

<220>
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<222> (515)..(515)
<223> A o T

<220>
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<223> I o L

<220>
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<223> K o Q

<220>
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<223> E o K

<220>
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<222> (522)..(522)
<223> G o A

<220>
<221> MOD_RES
<222> (523)..(523)
<223> E, D o N

<220>
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<222> (524)..(524)
<223> Y, G, A o N

<220>
<221> MOD_RES
<222> (525)..(525)
<223> G o E

<220>
<221> MOD_RES
<222> (526)..(526)
<223> L o G

<220>
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<222> (527)..(527)
<223> P o L

<220>
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<223> R, P, o T

<220>
<221> MOD_RES
<222> (530)..(530)
<223> A o E

<220>
<221> MOD_RES
<222> (531)..(531)
<223> E o K

<220>
<221> MOD_RES
<222> (532)..(532)
<223> R, Q, o K

<220>
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<222> (533)..(533)
<223> D, K, o E

<220>
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<222> (534)..(534)
<223> A, T, o S

<220>
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<222> (540)..(540)
<223> R o K

<220>
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<223> I o L

<220>
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<223> P o H

<220>
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<223> R o Q

<220>
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<222> (554)..(554)
<223> T o I

<220>
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<223> T, A, o I

<220>
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<223> P o D

<220>
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<223> N o K

<220>

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<222> (561)..(561)

<223> A o E

<220>

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<222> (562)..(562)

<223> E, R, o D

<220>

<221> MOD_RES

<222> (563)..(563)

<223> E, N, o R

<220>

<221> MOD_RES

<222> (564)..(564)

<223> H o L

<220>

<221> MOD_RES

<222> (565)..(565)

<223> I o V

<220>

<221> MOD_RES

<222> (566)..(566)

<223> T o E

<220>

<221> MOD_RES

<222> (567)..(567)

<223> Q, R, H, o D

<220>

<221> MOD_RES

<222> (572)..(572)

<223> S o P

<220>

<221> MOD_RES

<222> (583)..(583)

<223> P o T

<220>

<221> MOD_RES

<222> (584)..(584)

<223> E o D

<220>

<221> MOD_RES

<222> (585)..(585)
<223> S, A, o R

<220>
<221> MOD_RES
<222> (586)..(586)
<223> A, E, o V

<220>
<221> MOD_RES
<222> (587)..(587)
<223> G, E, o D

<220>
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<222> (589)..(589)
<223> E o S

<220>
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<222> (590)..(590)
<223> D o N

<220>
<221> MOD_RES
<222> (593)..(593)
<223> V o A

<220>
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<222> (598)..(598)
<223> M o I

<220>
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<222> (601)..(601)
<223> H o Y

<220>
<221> MOD_RES
<222> (602)..(602)
<223> A o G

<220>
<221> MOD_RES
<222> (613)..(613)
<223> A o S

<220>
<221> MOD_RES
<222> (615)..(615)
<223> E o A

<220>

<221> MOD_RES
<222> (616)..(616)
<223> E, A, Q, G, V, o R

<220>
<221> MOD_RES
<222> (618)..(618)
<223> A, P, o T

<220>
<221> MOD_RES
<222> (619)..(619)
<223> I, T, o P

<220>
<221> MOD_RES
<222> (620)..(620)
<223> D o A

<220>
<221> MOD_RES
<222> (624)..(629)
<223> Esta región puede comprender una de las siguientes secuencias:
"V" o "VVKEAI"

<220>
<221> MOD_RES
<222> (631)..(631)
<223> K o E

<220>
<221> MOD_RES
<222> (637)..(637)
<223> T, A, o P

<220>
<221> MOD_RES
<222> (644)..(644)
<223> R, Q, o H

<220>
<221> MOD_RES
<222> (645)..(645)
<223> K o ausente

<220>
<223> Ver memoria descriptiva presentada para una descripción
de las sustituciones y de los ejemplos de realización preferidos

<400> 26
Xaa Glu Xaa Xaa Leu Xaa Ile Phe Asp Glu Cys Arg Ser Pro Cys Xaa
1 5 10 15

Leu	Thr	Pro	Glu	Xaa	Gly	Lys	Xaa	Ile	Gln	Ser	Lys	Leu	Xaa	Ile	Pro			
			20					25					30					
Xaa	Asp	Val	Val	Leu	Asp	Glu	Gly	Val	Leu	Tyr	Tyr	Ser	Met	Thr	Ile			
		35					40					45						
Asn	Asp	Glu	Gln	Asn	Asp	Ile	Xaa	Asp	Glu	Xaa	Lys	Gly	Glu	Ser	Ile			
	50					55					60							
Ile	Thr	Xaa	Gly	Glu	Phe	Ala	Thr	Xaa	Arg	Ala	Thr	Arg	His	Tyr	Val			
65					70					75					80			
Xaa	Gln	Asp	Ala	Pro	Phe	Gly	Val	Ile	Xaa	Leu	Asp	Ile	Thr	Thr	Glu			
				85					90					95				
Asn	Gly	Thr	Lys	Xaa	Tyr	Ser	Xaa	Asn	Arg	Lys	Xaa	Xaa	Glu	Phe	Xaa			
			100					105					110					
Ile	Xaa	Trp	Leu	Val	Xaa	Xaa	Gly	Glu	Asp	Ser	Pro	Ala	Ser	Ile	Lys			
		115					120					125						
Ile	Ser	Xaa	Asp	Glu	Xaa	Asp	Gln	Xaa	Arg	Asn	Ile	Ile	Glu	Val	Pro			
	130					135					140							
Lys	Leu	Tyr	Ser	Ile	Asp	Leu	Asp	Asn	Gln	Thr	Leu	Glu	Gln	Trp	Xaa			
145					150					155					160			
Xaa	Gln	Gly	Asn	Val	Xaa	Phe	Xaa	Val	Thr	Arg	Pro	Glu	Xaa	Xaa	Xaa			
				165					170					175				
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Ile	Ala	Ile	Ser	Trp	Pro	Ser			
			180					185					190					
Val	Ser	Tyr	Xaa	Ala	Ala	Xaa	Lys	Xaa	Gly	Xaa	Arg	His	Lys	Arg	Trp			
		195					200					205						
Ala	Xaa	Trp	Xaa	Thr	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Leu	Xaa	Xaa	Xaa	Xaa			
	210					215					220							
Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Xaa	Cys	Thr	Xaa	Gly	Xaa	Xaa			
225					230					235					240			

Trp Xaa Gly Gly Xaa Tyr Xaa Thr Val Ala Gly Xaa Pro Xaa Xaa Ile
245 250 255

Xaa Val Lys Gln Gly Xaa Glu Gln Lys Xaa Val Glu Gln Arg Ile His
260 265 270

Phe Ser Xaa Xaa Asn Ala Xaa Xaa Xaa Leu Ala Ala His Arg Val Cys
275 280 285

Gly Val Pro Leu Glu Thr Leu Ala Arg Xaa Arg Lys Pro Arg Xaa Leu
290 295 300

Xaa Asp Asp Leu Xaa Cys Xaa Tyr Xaa Ala Gln Xaa Ile Val Ser Leu
305 310 315 320

Phe Xaa Ala Thr Arg Xaa Leu Phe Xaa His Xaa Asp Ser Xaa Phe Thr
325 330 335

Leu Asn Leu Xaa Xaa Gln Xaa Pro Xaa Val Xaa Glu Arg Leu Xaa Xaa
340 345 350

Xaa Arg Xaa Ile Asn Glu Xaa Asn Pro Gly Xaa Val Xaa Gln Val Leu
355 360 365

Thr Xaa Ala Arg Gln Ile Tyr Asn Asp Tyr Val Thr Xaa His Pro Xaa
370 375 380

Leu Xaa Pro Glu Gln Thr Ser Ala Xaa Ala Gln Ala Ala Asp Ile Leu
385 390 395 400

Ser Leu Xaa Xaa Pro Asp Xaa Asp Xaa Xaa Cys Val Ala Xaa Xaa Xaa
405 410 415

Asp Gln Ala Asn Ile Asn Xaa Glu Ser Arg Ser Gly Arg Ser Tyr Leu
420 425 430

Xaa Glu Asn Arg Ala Val Ile Thr Xaa Gln Gly Val Thr Asn Trp Thr
435 440 445

Tyr Gln Glu Leu Xaa Xaa Xaa His Gln Xaa Leu Thr Xaa Glu Xaa Tyr
450 455 460

Val Phe Val Gly Tyr His Gly Thr Asn His Xaa Ala Ala Gln Xaa Ile
465 470 475 480

Val Asn Arg Ile Xaa Pro Val Pro Arg Gly Xaa Xaa Thr Glu Xaa Glu
485 490 495

Xaa Xaa Trp Gly Gly Xaa Tyr Val Xaa Thr Xaa Ala Xaa Xaa Xaa Xaa
500 505 510

Xaa Tyr Xaa Arg Xaa Xaa Xaa Gly Thr Xaa Xaa Xaa Xaa Xaa Thr
515 520 525

Xaa Xaa Xaa Xaa Xaa Xaa Arg Gly Val Met Leu Xaa Val Tyr Xaa Xaa
530 535 540

Xaa Ala Ser Leu Glu Arg Phe Tyr Arg Xaa Asn Xaa Xaa Leu Glu Xaa
545 550 555 560

Xaa Xaa Xaa Xaa Xaa Xaa Xaa Val Ile Gly His Xaa Leu Pro Leu Arg
565 570 575

Asn Glu Ala Phe Thr Gly Xaa Xaa Xaa Xaa Xaa Gly Xaa Xaa Glu Thr
580 585 590

Xaa Ile Gly Trp Asp Xaa Ala Ile Xaa Xaa Val Ala Ile Pro Ser Thr
595 600 605

Ile Pro Gly Asn Xaa Tyr Xaa Xaa Leu Xaa Xaa Xaa Glu Glu Ala Xaa
610 615 620

Xaa Xaa Xaa Xaa Xaa Ala Xaa Glu Gln Ser Ile Ser Xaa Lys Pro Pro
625 630 635 640

Tyr Lys Glu Xaa Xaa Asp Glu Leu Lys
645

<210> 27
<211> 60

<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<220>
<221> MISC_CARACTERÍSTICA
<222> (1)..(60)
<223> Esta secuencia puede comprender 1-15 "Gly Gly Gly Ser"
unidades de repetición

<400> 27
Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
20 25 30

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
35 40 45

Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser
50 55 60

<210> 28
<211> 5
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: péptido sintético

<400> 28
Gly Gly Gly Gly Ser
1 5

<210> 29
<211> 90
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<220>
<221> MISC_CARACTERÍSTICA

<222> (1)..(90)

<223> Esta secuencia puede comprender 1-15 "Gly Gly Gly Gly Gly Ser"
unidades de repetición

<400> 29

Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly
1 5 10 15

Gly Ser Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser Gly Gly
20 25 30

Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser
35 40 45

Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly
50 55 60

Gly Ser Gly Gly Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser Gly Gly
65 70 75 80

Gly Gly Gly Ser Gly Gly Gly Gly Gly Ser
85 90

<210> 30

<211> 179

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 30

Met Ala Val Leu Gln Lys Ser Met Ser Phe Ser Leu Met Gly Thr Leu
1 5 10 15

Ala Ala Ser Cys Leu Leu Leu Ile Ala Leu Trp Ala Gln Glu Ala Asn
20 25 30

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

Gln Pro Tyr Ile Val Asn Arg Thr Phe Met Leu Ala Lys Glu Ala Ser
50 55 60

Leu Ala Asp Asn Asn Thr Asp Val Arg Leu Ile Gly Glu Lys Leu Phe
65 70 75 80

Arg Gly Val Ser Ala Lys Asp Gln Cys Tyr Leu Met Lys Gln Val Leu
85 90 95

Asn Phe Thr Leu Glu Asp Val Leu Leu Pro Gln Ser Asp Arg Phe Gln
100 105 110

Pro Tyr Met Gln Glu Val Val Pro Phe Leu Thr Lys Leu Ser Asn Gln
115 120 125

Leu Ser Ser Cys His Ile Ser Gly Asp Asp Gln Asn Ile Gln Lys Asn
130 135 140

Val Arg Arg Leu Lys Glu Thr Val Lys Lys Leu Gly Glu Ser Gly Glu
145 150 155 160

Ile Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg Asn
165 170 175

Ala Cys Val

<210> 31
<211> 25
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Peptido sintético

<400> 31
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser
20 25

<210> 32
<211> 418
<212> PRT
<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 32

Met Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

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

Ile Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu
180 185 190

Gly Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu
195 200 205

Cys Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln
210 215 220

Asn Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val
225 230 235 240

Ala Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys
245 250 255

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly Gly Gly Gly Gly Ser
260 265 270

Ala Pro Ile Ser Ser His Cys Arg Leu Asp Lys Ser Asn Phe Gln Gln
275 280 285

Pro Tyr Ile Thr Asn Arg Thr Phe Met Leu Ala Lys Glu Ala Ser Leu
290 295 300

Ala Asp Asn Asn Thr Asp Val Arg Leu Ile Gly Glu Lys Leu Phe His
305 310 315 320

Gly Val Ser Met Ser Glu Arg Cys Tyr Leu Met Lys Gln Val Leu Asn
325 330 335

Phe Thr Leu Glu Glu Val Leu Phe Pro Gln Ser Asp Arg Phe Gln Pro
340 345 350

Tyr Met Gln Glu Val Val Pro Phe Leu Ala Arg Leu Ser Asn Arg Leu
355 360 365

Ser Thr Cys His Ile Glu Gly Asp Asp Leu His Ile Gln Arg Asn Val
370 375 380

Gln Lys Leu Lys Asp Thr Val Lys Lys Leu Gly Glu Ser Gly Glu Ile
385 390 395 400

Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg Asn Ala
405 410 415

Cys Ile

<210> 33

<211> 438

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 33

Met Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

Lys Thr Gln Gly Asn Val Ser Phe Ser Val Thr Arg Pro Glu His Asn

165										170					175				
Ile	Ala	Ile	Ser	Trp	Pro	Ser	Val	Ser	Tyr	Lys	Ala	Ala	Gln	Lys	Glu				
			180					185					190						
Gly	Ser	Arg	His	Lys	Arg	Trp	Ala	His	Trp	His	Thr	Gly	Leu	Ala	Leu				
		195					200					205							
Cys	Trp	Leu	Val	Pro	Met	Asp	Ala	Ile	Tyr	Asn	Tyr	Ile	Thr	Gln	Gln				
	210					215					220								
Asn	Cys	Thr	Leu	Gly	Asp	Asn	Trp	Phe	Gly	Gly	Ser	Tyr	Glu	Thr	Val				
225					230					235					240				
Ala	Gly	Thr	Pro	Lys	Val	Ile	Thr	Val	Lys	Gln	Gly	Ile	Glu	Gln	Lys				
				245					250					255					
Pro	Val	Glu	Gln	Arg	Ile	His	Phe	Ser	Lys	Gly	Gly	Gly	Gly	Gly	Ser				
			260					265						270					
Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gly	Gly	Gly	Gly	Ser	Gly				
		275					280					285							
Gly	Gly	Gly	Ser	Ala	Pro	Ile	Ser	Ser	His	Cys	Arg	Leu	Asp	Lys	Ser				
	290					295					300								
Asn	Phe	Gln	Gln	Pro	Tyr	Ile	Thr	Asn	Arg	Thr	Phe	Met	Leu	Ala	Lys				
305					310					315					320				
Glu	Ala	Ser	Leu	Ala	Asp	Asn	Asn	Thr	Asp	Val	Arg	Leu	Ile	Gly	Glu				
				325					330					335					
Lys	Leu	Phe	His	Gly	Val	Ser	Met	Ser	Glu	Arg	Cys	Tyr	Leu	Met	Lys				
			340					345					350						
Gln	Val	Leu	Asn	Phe	Thr	Leu	Glu	Glu	Val	Leu	Phe	Pro	Gln	Ser	Asp				
		355					360					365							
Arg	Phe	Gln	Pro	Tyr	Met	Gln	Glu	Val	Val	Pro	Phe	Leu	Ala	Arg	Leu				
	370					375					380								

Ser Asn Arg Leu Ser Thr Cys His Ile Glu Gly Asp Asp Leu His Ile
385 390 395 400

Gln Arg Asn Val Gln Lys Leu Lys Asp Thr Val Lys Lys Leu Gly Glu
405 410 415

Ser Gly Glu Ile Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser
420 425 430

Leu Arg Asn Ala Cys Ile
435

<210> 34
<211> 418
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 34
Met Ala Pro Ile Ser Ser His Cys Arg Leu Asp Lys Ser Asn Phe Gln
1 5 10 15

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

Leu Ala Asp Asn Asn Thr Asp Val Arg Leu Ile Gly Glu Lys Leu Phe
35 40 45

His Gly Val Ser Met Ser Glu Arg Cys Tyr Leu Met Lys Gln Val Leu
50 55 60

Asn Phe Thr Leu Glu Glu Val Leu Phe Pro Gln Ser Asp Arg Phe Gln
65 70 75 80

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

Leu Ser Thr Cys His Ile Glu Gly Asp Asp Leu His Ile Gln Arg Asn
100 105 110

Val Gln Lys Leu Lys Asp Thr Val Lys Lys Leu Gly Glu Ser Gly Glu
115 120 125

Ile Lys Ala Ile Gly Glu Leu Asp Leu Leu Phe Met Ser Leu Arg Asn
130 135 140

Ala Cys Ile Gly Gly Gly Gly Ser Val Glu Glu Ala Leu Asn Ile Phe
145 150 155 160

Asp Glu Cys Arg Ser Pro Cys Ser Leu Thr Pro Glu Pro Gly Lys Pro
165 170 175

Ile Gln Ser Lys Leu Ser Ile Pro Ser Asp Val Val Leu Asp Glu Gly
180 185 190

Val Leu Tyr Tyr Ser Met Thr Ile Asn Asp Glu Gln Asn Asp Ile Lys
195 200 205

Asp Glu Asp Lys Gly Glu Ser Ile Ile Thr Ile Gly Glu Phe Ala Thr
210 215 220

Val Arg Ala Thr Arg His Tyr Val Asn Gln Asp Ala Pro Phe Gly Val
225 230 235 240

Ile His Leu Asp Ile Thr Thr Glu Asn Gly Thr Lys Thr Tyr Ser Tyr
245 250 255

Asn Arg Lys Glu Gly Glu Phe Ala Ile Asn Trp Leu Val Pro Ile Gly
260 265 270

Glu Asp Ser Pro Ala Ser Ile Lys Ile Ser Val Asp Glu Leu Asp Gln
275 280 285

Gln Arg Asn Ile Ile Glu Val Pro Lys Leu Tyr Ser Ile Asp Leu Asp
290 295 300

Asn Gln Thr Leu Glu Gln Trp Lys Thr Gln Gly Asn Val Ser Phe Ser
305 310 315 320

Val Thr Arg Pro Glu His Asn Ile Ala Ile Ser Trp Pro Ser Val Ser
325 330 335

Tyr Lys Ala Ala Gln Lys Glu Gly Ser Arg His Lys Arg Trp Ala His
340 345 350

Trp His Thr Gly Leu Ala Leu Cys Trp Leu Val Pro Met Asp Ala Ile
355 360 365

Tyr Asn Tyr Ile Thr Gln Gln Asn Cys Thr Leu Gly Asp Asn Trp Phe
370 375 380

Gly Gly Ser Tyr Glu Thr Val Ala Gly Thr Pro Lys Val Ile Thr Val
385 390 395 400

Lys Gln Gly Ile Glu Gln Lys Pro Val Glu Gln Arg Ile His Phe Ser
405 410 415

Lys Gly

<210> 35

<211> 538

<212> PRT

<213> Secuencia artificial

<220>

<223> Descripción de Secuencia artificial: Polipéptido sintético

<400> 35

Met Val Glu Glu Ala Leu Asn Ile Phe Asp Glu Cys Arg Ser Pro Cys
1 5 10 15

Ser Leu Thr Pro Glu Pro Gly Lys Pro Ile Gln Ser Lys Leu Ser Ile
20 25 30

Pro Ser Asp Val Val Leu Asp Glu Gly Val Leu Tyr Tyr Ser Met Thr
35 40 45

Ile Asn Asp Glu Gln Asn Asp Ile Lys Asp Glu Asp Lys Gly Glu Ser
50 55 60

Ile Ile Thr Ile Gly Glu Phe Ala Thr Val Arg Ala Thr Arg His Tyr
65 70 75 80

Val Asn Gln Asp Ala Pro Phe Gly Val Ile His Leu Asp Ile Thr Thr
85 90 95

Glu Asn Gly Thr Lys Thr Tyr Ser Tyr Asn Arg Lys Glu Gly Glu Phe
100 105 110

Ala Ile Asn Trp Leu Val Pro Ile Gly Glu Asp Ser Pro Ala Ser Ile
115 120 125

Lys Ile Ser Val Asp Glu Leu Asp Gln Gln Arg Asn Ile Ile Glu Val
130 135 140

Pro Lys Leu Tyr Ser Ile Asp Leu Asp Asn Gln Thr Leu Glu Gln Trp
145 150 155 160

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

Ile Ala Ile Ser Trp Pro Ser Val Ser Tyr Lys Ala Ala Gln Lys Glu
180 185 190

Gly Ser Arg His Lys Arg Trp Ala His Trp His Thr Gly Leu Ala Leu
195 200 205

Cys Trp Leu Val Pro Met Asp Ala Ile Tyr Asn Tyr Ile Thr Gln Gln
210 215 220

Asn Cys Thr Leu Gly Asp Asn Trp Phe Gly Gly Ser Tyr Glu Thr Val
225 230 235 240

Ala Gly Thr Pro Lys Val Ile Thr Val Lys Gln Gly Ile Glu Gln Lys
245 250 255

Pro Val Glu Gln Arg Ile His Phe Ser Lys Gly Asn Ala Met Ser Ala
260 265 270

Leu Ala Ala His Arg Val Cys Gly Val Pro Leu Glu Thr Leu Ala Arg
275 280 285

Ser Arg Lys Pro Arg Asp Leu Thr Asp Asp Leu Ser Cys Ala Tyr Gln

290						295						300			
Ala	Gln	Asn	Ile	Val	Ser	Leu	Phe	Val	Ala	Thr	Arg	Ile	Leu	Phe	Ser
305					310					315					320
His	Leu	Asp	Ser	Val	Phe	Thr	Leu	Asn	Leu	Asp	Glu	Gln	Glu	Pro	Glu
				325					330					335	
Val	Ala	Glu	Arg	Leu	Ser	Asp	Leu	Arg	Arg	Ile	Asn	Glu	Asn	Asn	Pro
			340					345					350		
Gly	Met	Val	Thr	Gln	Val	Leu	Thr	Val	Ala	Arg	Gln	Ile	Tyr	Asn	Asp
	355						360					365			
Tyr	Val	Thr	His	His	Pro	Gly	Leu	Thr	Pro	Glu	Gln	Thr	Ser	Ala	Gly
	370					375					380				
Ala	Gln	Ala	Gly	Gly	Gly	Gly	Ser	Ala	Pro	Ile	Ser	Ser	His	Cys	Arg
385					390					395					400
Leu	Asp	Lys	Ser	Asn	Phe	Gln	Gln	Pro	Tyr	Ile	Thr	Asn	Arg	Thr	Phe
				405					410					415	
Met	Leu	Ala	Lys	Glu	Ala	Ser	Leu	Ala	Asp	Asn	Asn	Thr	Asp	Val	Arg
			420					425					430		
Leu	Ile	Gly	Glu	Lys	Leu	Phe	His	Gly	Val	Ser	Met	Ser	Glu	Arg	Cys
		435					440					445			
Tyr	Leu	Met	Lys	Gln	Val	Leu	Asn	Phe	Thr	Leu	Glu	Glu	Val	Leu	Phe
	450					455					460				
Pro	Gln	Ser	Asp	Arg	Phe	Gln	Pro	Tyr	Met	Gln	Glu	Val	Val	Pro	Phe
465					470					475					480
Leu	Ala	Arg	Leu	Ser	Asn	Arg	Leu	Ser	Thr	Cys	His	Ile	Glu	Gly	Asp
				485					490					495	
Asp	Leu	His	Ile	Gln	Arg	Asn	Val	Gln	Lys	Leu	Lys	Asp	Thr	Val	Lys
			500					505					510		

Lys Leu Gly Glu Ser Gly Glu Ile Lys Ala Ile Gly Glu Leu Asp Leu
515 520 525

Leu Phe Met Ser Leu Arg Asn Ala Cys Ile
530 535

<210> 36
<211> 75
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<220>
<221> MISC_CARACTERÍSTICA
<222> (1)..(75)
<223> Esta secuencia puede comprender 1-15 "Gly Gly Gly Gly Ser"
unidades de repetición

<400> 36
Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly
1 5 10 15

Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly
20 25 30

Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly
35 40 45

Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly
50 55 60

Ser Gly Gly Gly Gly Ser Gly Gly Gly Gly Ser
65 70 75

<210> 37
<211> 6
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido sintético

<400> 37

Ser Ile Ala Lys Gln Ser
1 5

<210> 38
<211> 11
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido sintético

<400> 38
Ser Ile Ala Lys Gln Ser Ile Ala Lys Gln Ser
1 5 10

<210> 39
<211> 6
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Péptido sintético

<400> 39
Val Val Lys Glu Ala Ile
1 5

<210> 40
<211> 30
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<220>
<221> MISC_CARACTERÍSTICA
<222> (1)..(30)
<223> Esta secuencia puede comprender 1-15 "Gly Ser"
unidades de repetición

<400> 40
Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser
1 5 10 15

Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser Gly Ser
20 25 30

<210> 41
<211> 45
<212> PRT
<213> Secuencia artificial

<220>
<223> Descripción de Secuencia artificial: Polipéptido sintético

<220>
<221> MISC_CARACTERÍSTICA
<222> (1)..(45)
<223> Esta secuencia puede comprender 1-15 "Gly Gly Ser"
unidades de repetición

<400> 41
Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly
1 5 10 15

Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly
20 25 30

Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser Gly Gly Ser
35 40 45