

SEQUENCE LISTING

<110> AMIGORENA, et al.

<120> IMMUNE CELLS DEFECTIVE FOR SUV39H1

<130> 40020/20010P3

<160> 16

<170> PatentIn version 3.5

<210> 1

<211> 2733

<212> DNA

<213> Homo sapiens

<300>

<308> GenBank / AF019968.1

<309> 1999-04-16

<313> (1)..(2733)

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 <213> Homo sapiens

<300>
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 <309> 1999-04-16
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 35 40 45

Cys Asp Tyr Lys Lys Ile Arg Glu Gln Glu Tyr Tyr Leu Val Lys Trp
 50 55 60

Arg Gly Tyr Pro Asp Ser Glu Ser Thr Trp Glu Pro Arg Gln Asn Leu
 65 70 75 80

Lys Cys Val Arg Ile Leu Lys Gln Phe His Lys Asp Leu Glu Arg Glu
 85 90 95

Leu Leu Arg Arg His His Arg Ser Lys Thr Pro Arg His Leu Asp Pro
 100 105 110

Ser Leu Ala Asn Tyr Leu Val Gln Lys Ala Lys Gln Arg Arg Ala Leu
 115 120 125

Arg Arg Trp Glu Gln Glu Leu Asn Ala Lys Arg Ser His Leu Gly Arg
 130 135 140

Ile Thr Val Glu Asn Glu Val Asp Leu Asp Gly Pro Pro Arg Ala Phe
145 150 155 160

Val Tyr Ile Asn Glu Tyr Arg Val Gly Glu Gly Ile Thr Leu Asn Gln
165 170 175

Val Ala Val Gly Cys Glu Cys Gln Asp Cys Leu Trp Ala Pro Thr Gly
180 185 190

Gly Cys Cys Pro Gly Ala Ser Leu His Lys Phe Ala Tyr Asn Asp Gln
195 200 205

Gly Gln Val Arg Leu Arg Ala Gly Leu Pro Ile Tyr Glu Cys Asn Ser
210 215 220

Arg Cys Arg Cys Gly Tyr Asp Cys Pro Asn Arg Val Val Gln Lys Gly
225 230 235 240

Ile Arg Tyr Asp Leu Cys Ile Phe Arg Thr Asp Asp Gly Arg Gly Trp
245 250 255

Gly Val Arg Thr Leu Glu Lys Ile Arg Lys Asn Ser Phe Val Met Glu
260 265 270

Tyr Val Gly Glu Ile Ile Thr Ser Glu Glu Ala Glu Arg Arg Gly Gln
275 280 285

Ile Tyr Asp Arg Gln Gly Ala Thr Tyr Leu Phe Asp Leu Asp Tyr Val
290 295 300

Glu Asp Val Tyr Thr Val Asp Ala Ala Tyr Tyr Gly Asn Ile Ser His
305 310 315 320

Phe Val Asn His Ser Cys Asp Pro Asn Leu Gln Val Tyr Asn Val Phe
325 330 335

Ile Asp Asn Leu Asp Glu Arg Leu Pro Arg Ile Ala Phe Phe Ala Thr
340 345 350

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

Val Asp Pro Val Asp Met Glu Ser Thr Arg Met Asp Ser Asn Phe Gly
370 375 380

Leu Ala Gly Leu Pro Gly Ser Pro Lys Lys Arg Val Arg Ile Glu Cys
385 390 395 400

Lys Cys Gly Thr Glu Ser Cys Arg Lys Tyr Leu Phe
405 410

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<213> Homo sapiens

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

Val Ser Gln Ser Lys Asp Ser Asp Val Tyr Ile Thr Asp Lys Thr Val
35 40 45

Leu Asp Met Arg Ser Met Asp Phe Lys Ser Asn Ser Ala Val Ala Trp
50 55 60

Ser Asn Lys Ser Asp Phe Ala Cys Ala Asn Ala Phe Asn Asn Ser Ile
65 70 75 80

Ile Pro Glu Asp Thr Phe Phe Pro Ser Pro
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<213> Homo sapiens

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<222> (100)..(128)
<223> ITAM2

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<223> ITAM3

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<309> 2019-07-03
<313> (1)..(164)

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Met Lys Trp Lys Ala Leu Phe Thr Ala Ala Ile Leu Gln Ala Gln Leu
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Pro Ile Thr Glu Ala Gln Ser Phe Gly Leu Leu Asp Pro Lys Leu Cys
20 25 30

Tyr Leu Leu Asp Gly Ile Leu Phe Ile Tyr Gly Val Ile Leu Thr Ala
35 40 45

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

Gln Gln Gly Gln Asn Gln Leu Tyr Asn Glu Leu Asn Leu Gly Arg Arg
65 70 75 80

Glu Glu Tyr Asp Val Leu Asp Lys Arg Arg Gly Arg Asp Pro Glu Met
85 90 95

Gly Gly Lys Pro Gln Arg Arg Lys Asn Pro Gln Glu Gly Leu Tyr Asn
100 105 110

Glu Leu Gln Lys Asp Lys Met Ala Glu Ala Tyr Ser Glu Ile Gly Met
115 120 125

Lys Gly Glu Arg Arg Arg Gly Lys Gly His Asp Gly Leu Tyr Gln Gly

130

135

140

Leu Ser Thr Ala Thr Lys Asp Thr Tyr Asp Ala Leu His Met Gln Ala
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Leu Pro Pro Arg

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 20 25 30

Pro Ala Glu Gln Arg Ala Ser Pro Leu Thr Ser Ile Val Ser Ala Val
 35 40 45

Val Gly Ile Leu Leu Val Val Val Leu Gly Val Val Phe Gly Ile Leu
 50 55 60

Ile Lys Arg Arg Gln Gln Lys Ile Arg Lys Tyr Thr Met Arg Arg Leu
 65 70 75 80

Leu Gln Glu Thr Glu Leu Val Glu Pro Leu Thr Pro Ser Gly Ala Met
 85 90 95

Pro Asn Gln Ala Gln Met Arg Ile Leu Lys Glu Thr Glu Leu Arg Lys
 100 105 110

Val Lys Val Leu Gly Ser Gly Ala Phe Gly Thr Val Tyr Lys Gly Ile
 115 120 125

Trp Ile Pro Asp Gly Glu Asn Val Lys Ile Pro Val Ala Ile Lys Val
130 135 140

Leu Arg Glu Asn Thr Ser Pro Lys Ala Asn Lys Glu Ile Leu Asp Glu
145 150 155 160

Ala Tyr Val Met Ala Gly Val Gly Ser Pro Tyr Val Ser Arg Leu Leu
165 170 175

Gly Ile Cys Leu Thr Ser Thr Val Gln Leu Val Thr Gln Leu Met Pro
180 185 190

Tyr Gly Cys Leu Leu Asp His Val Arg Glu Asn Arg Gly Arg Leu Gly
195 200 205

Ser Gln Asp Leu Leu Asn Trp Cys Met Gln Ile Ala Lys Gly Met Ser
210 215 220

Tyr Leu Glu Asp Val Arg Leu Val His Arg Asp Leu Ala Ala Arg Asn
225 230 235 240

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

Ala Arg Leu Leu Asp Ile Asp Glu Thr Glu Tyr His Ala Asp Gly Gly
260 265 270

Lys Val Pro Ile Lys Trp Met Ala Leu Glu Ser Ile Leu Arg Arg Arg
275 280 285

Phe Thr His Gln Ser Asp Val Trp Ser Tyr Gly Val Thr Val Trp Glu
290 295 300

Leu Met Thr Phe Gly Ala Lys Pro Tyr Asp Gly Ile Pro Ala Arg Glu
305 310 315 320

Ile Pro Asp Leu Leu Glu Lys Gly Glu Arg Leu Pro Gln Pro Pro Ile
325 330 335

Cys Thr Ile Asp Val Tyr Met Ile Met Val Lys Cys Trp Met Ile Asp
340 345 350

Ser Glu Cys Arg Pro Arg Phe Arg Glu Leu Val Ser Glu Phe Ser Arg
355 360 365

Met Ala Arg Asp Pro Gln Arg Phe Val Val Ile Gln Asn Glu Asp Leu
370 375 380

Gly Pro Ala Ser Pro Leu Asp Ser Thr Phe Tyr Arg Ser Leu Leu Glu
385 390 395 400

Asp Asp Asp Met Gly Asp Leu Val Asp Ala Glu Glu Tyr Leu Val Pro
405 410 415

Gln Gln Gly Phe Phe Cys Pro Asp Pro Ala Pro Gly Ala Gly Gly Met
420 425 430

Val His His Arg His Arg Ser Ser Ser Thr Arg Ser Gly Gly Gly Asp
435 440 445

Leu Thr Leu Gly Leu Glu Pro Ser Glu Glu Glu Ala Pro Arg Ser Pro
450 455 460

Leu Ala Pro Ser Glu Gly Ala Gly Ser Asp Val Phe Asp Gly Asp Leu
465 470 475 480

Gly Met Gly Ala Ala Lys Gly Leu Gln Ser Leu Pro Thr His Asp Pro
485 490 495

Ser Pro Leu Gln Arg Tyr Ser Glu Asp Pro Thr Val Pro Leu Pro Ser
500 505 510

Glu Thr Asp Gly Tyr Val Ala Pro Leu Thr Cys Ser Pro Gln Pro Glu
515 520 525

Tyr Val Asn Gln Pro Asp Val Arg Pro Gln Pro Pro Ser Pro Arg Glu
530 535 540

Gly Pro Leu Pro Ala Ala Arg Pro Ala Gly Ala Thr Leu Glu Arg Ala
545 550 555 560

Lys Thr Leu Ser Pro Gly Lys Asn Gly Val Val Lys Asp Val Phe Ala
565 570 575

Phe Gly Gly Ala Val Glu Asn Pro Glu Tyr Leu Thr Pro Gln Gly Gly
580 585 590

Ala Ala Pro Gln Pro His Pro Pro Pro Ala Phe Ser Pro Ala Phe Asp
595 600 605

Asn Leu Tyr Tyr Trp Asp Gln Asp Pro Pro Glu Arg Gly Ala Pro Pro
610 615 620

Ser Thr Phe Lys Gly Thr Pro Thr Ala Glu Asn Pro Glu Tyr Leu Gly
625 630 635 640

Leu Asp Val Pro Val
645

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<213> Homo sapiens

<400> 6

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

Pro Ala Glu Gln Arg Ala Ser Pro Leu Thr
35 40

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<213> Artificial Sequence

<220>
<223> p95HER2 HCDR1

<400> 7

Asp Phe Gly Met Ser
1 5

<210> 8
<211> 17
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<213> Artificial Sequence

<220>
<223> p95HER2 HCDR2

<400> 8

Thr Ile Asn Thr Asn Gly Gly Thr Thr His Tyr Pro Asp Asn Val Lys
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Gly

<210> 9
<211> 5
<212> PRT
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<220>
<223> p95HER2 HCDR3

<400> 9

Glu Gly Leu Asp Tyr
1 5

<210> 10
<211> 11
<212> PRT
<213> Artificial Sequence

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<223> p95HER2 LCDR1

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Lys Ala Ser Gln Ser Val Gly Thr Ala Val Ala
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<223> p95HER2 LCDR2

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<211> 9

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<223> p95HER2 LCDR3

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<210> 13

<211> 114

<212> PRT

<213> Artificial Sequence

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<223> p95HER2 VH

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Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Asn Asp Phe
20 25 30

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

Ala Thr Ile Asn Thr Asn Gly Gly Thr Thr His Tyr Pro Asp Asn Val
50 55 60

Lys Gly Arg Phe Ser Ile Ser Arg Asp Asn Ala Lys Lys Phe Val Tyr
65 70 75 80

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

Pro Arg Glu Gly Leu Asp Tyr Trp Gly Gln Gly Thr Thr Leu Thr Val
100 105 110

Ser Ser

<210> 14
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<212> PRT
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<400> 14

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

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

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

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Asn Val Gln Ser
65 70 75 80

Glu Asp Leu Ala Asp Tyr Phe Cys Gln Gln Tyr Ser Thr Tyr Pro Leu
85 90 95

Ala Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
100 105

<210> 15
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<213> Homo sapiens

<400> 15

Pro Ile Trp Lys Phe Pro Asp
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<210> 16

<211> 105

<212> RNA

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<222> (4)..(4)

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<222> (6)..(6)

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<222> (100)..(100)

<223> n is 2'-O-methyl 3'phosphorothioate

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<221> misc_feature

<222> (102)..(102)

<223> n is 2'-O-methyl 3'phosphorothioate

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<222> (104)..(104)

<223> n is 2'-O-methyl 3'phosphorothioate

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