

CYT-B-0005-PCT1-SL_ST25
SEQUENCE LISTING

<110> CYTUNE
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TARTOUR, Eric
GEY, Alain

<120> AN IL-15 AND IL-15Ra SUSHI DOMAIN BASED MODULOKINES

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<151> 2013-08-08

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<170> PatentIn version 3.5

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 20 25 30

Pro Xaa Cys Lys Xaa Thr Xaa Met Xaa Cys Phe Leu Leu Glu Leu Xaa
 35 40 45

Val Ile Xaa Xaa Glu Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa Xaa
 50 55 60

Asn Xaa Xaa Xaa Leu Ala Asn Xaa Xaa Leu Xaa Xaa Xaa Xaa Xaa Xaa
 65 70 75 80

Xaa Glu Xaa Gly Cys Lys Xaa Cys Glu Glu Leu Glu Xaa Xaa Xaa Xaa
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Pro Xaa Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
 35 40 45

Val Ile Ser Xaa Glu Ser Xaa Xaa Xaa Xaa Ile Xaa Asp Thr Xaa Glu
 50 55 60

Asn Leu Xaa Ile Leu Ala Asn Xaa Xaa Leu Ser Xaa Asn Gly Xaa Xaa
 65 70 75 80

Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Xaa Lys Asn Ile
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Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu Gln
 35 40 45

Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val Glu
 50 55 60

Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn Val
 65 70 75 80

Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Xaa Lys Asn Ile
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Tyr Ser Xaa Xaa Ser Arg Glu Arg Tyr Xaa Cys Asn Ser Gly Phe Lys
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Phe Lys Arg Lys Ala Gly Thr Ser Xaa Leu Xaa Glu Cys Val xaa Asn
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Lys xaa Thr Asn xaa Ala xaa Trp Thr Thr Pro Ser Leu Lys Cys Ile
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Phe Lys Arg Lys Ala Gly Thr Ser Ser Leu Thr Glu Cys Val Leu Asn
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Phe Lys Arg Lys Ala Gly Thr Ser Xaa Leu Xaa Glu Cys Val Xaa Asn
 35 40 45

Lys Xaa Thr Asn Xaa Ala Xaa Trp Thr Thr Pro Ser Leu Lys Cys Ile
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<221> MISC_FEATURE
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 <223> X= V or A

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Xaa Thr Cys Pro Xaa Pro Xaa Ser Val Glu His Ala Asp Ile Xaa Val
 1 5 10 15

Lys Ser Tyr Ser Leu Xaa Ser Arg Glu Arg Tyr Xaa Cys Asn Ser Gly
 20 25 30

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

Lys Ala Thr Asn Xaa Ala Xaa Trp Thr Thr Pro Ser Leu Lys Cys Ile
 50 55 60

Arg Asp Pro Xaa Leu Xaa Xaa Gln Arg Pro Xaa Pro Pro
 65 70 75

<210> 12
 <211> 77
 <212> PRT
 <213> Homo sapiens

<400> 12

Ile Thr Cys Pro Pro Pro Met Ser Val Glu His Ala Asp Ile Trp Val
 1 5 10 15

Lys Ser Tyr Ser Leu Tyr Ser Arg Glu Arg Tyr Ile Cys Asn Ser Gly
 20 25 30

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

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Lys Ala Thr Asn Val Ala His Trp Thr Thr Pro Ser Leu Lys Cys Ile
50 55 60

Arg Asp Pro Ala Leu Val His Gln Arg Pro Ala Pro Pro
65 70 75

<210> 13
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<400> 13

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

Gly Ser Leu Gln
20

<210> 14
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<213> Artificial Sequence

<220>
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<400> 14

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

Gly Ser Gly Gly
20

<210> 15
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<212> PRT
<213> Artificial Sequence

<220>
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<400> 15

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

Gly Gly Ser Leu Gln
20

<210> 16
<211> 22
<212> PRT
<213> Artificial Sequence

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<220>

<223> peptidic linker

<400> 16

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

Gly Gly Gly Gly Ser Gly
 20

<210> 17

<211> 22

<212> PRT

<213> Artificial Sequence

<220>

<223> peptidic linker

<400> 17

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

Gly Gly Gly Ser Ala Ala
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<210> 18

<211> 211

<212> PRT

<213> Artificial Sequence

<220>

<223> RLI1

<400> 18

Ile Thr Cys Pro Pro Pro Met Ser Val Glu His Ala Asp Ile Trp Val
 1 5 10 15

Lys Ser Tyr Ser Leu Tyr Ser Arg Glu Arg Tyr Ile Cys Asn Ser Gly
 20 25 30

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

Lys Ala Thr Asn Val Ala His Trp Thr Thr Pro Ser Leu Lys Cys Ile
 50 55 60

Arg Asp Pro Ala Leu Val His Gln Arg Pro Ala Pro Pro Ser Gly Gly
 65 70 75 80

Ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Gly Ser Leu
 85 90 95

Gln Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu
 100 105 110

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Ile Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val
115 120 125

His Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu
130 135 140

Gln Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val
145 150 155 160

Glu Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn
165 170 175

Val Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn
180 185 190

Ile Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile
195 200 205

Asn Thr Ser
210

<210> 19
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<220>
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<400> 19

Ile Thr Cys Pro Pro Pro Met Ser Val Glu His Ala Asp Ile Trp Val
1 5 10 15

Lys Ser Tyr Ser Leu Tyr Ser Arg Glu Arg Tyr Ile Cys Asn Ser Gly
20 25 30

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

Lys Ala Thr Asn Val Ala His Trp Thr Thr Pro Ser Leu Lys Cys Ile
50 55 60

Arg Asp Pro Ala Leu Val His Gln Arg Pro Ala Pro Pro Ser Gly Gly
65 70 75 80

ser Gly Gly Gly Gly Ser Gly Gly Gly Ser Gly Gly Gly Ser Gly
85 90 95

Gly Asn Trp Val Asn Val Ile Ser Asp Leu Lys Lys Ile Glu Asp Leu
100 105 110

CYT-B-0005-PCT1-SL_ST25

Ile Gln Ser Met His Ile Asp Ala Thr Leu Tyr Thr Glu Ser Asp Val
 115 120 125

His Pro Ser Cys Lys Val Thr Ala Met Lys Cys Phe Leu Leu Glu Leu
 130 135 140

Gln Val Ile Ser Leu Glu Ser Gly Asp Ala Ser Ile His Asp Thr Val
 145 150 155 160

Glu Asn Leu Ile Ile Leu Ala Asn Asn Ser Leu Ser Ser Asn Gly Asn
 165 170 175

Val Thr Glu Ser Gly Cys Lys Glu Cys Glu Glu Leu Glu Glu Lys Asn
 180 185 190

Ile Lys Glu Phe Leu Gln Ser Phe Val His Ile Val Gln Met Phe Ile
 195 200 205

Asn Thr Ser
 210