

SEQUENCE LISTING

<110> GLYTECH, INC.

<120> METHOD FOR PRODUCING POLYPEPTIDE FRAGMENT WITH HIGH EFFICIENCY, WHICH IS SUITABLE FOR NCL METHOD

<130> SG4525A

<150> JP2011-210007

<151> 2011-09-26

<160> 21

<170> PatentIn version 3.5.1

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<212> PTR

<213> Homo sapiens

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<222> (52)..(52)

<223> asialo oligosaccharide

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

Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
50 55 60

Ala Leu Ser Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
65 70 75 80

Ser Leu His Val Arg Asp Thr Lys Ile Glu Val Ala Gln Phe Val Lys
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Asp Leu Leu Leu His Leu Lys Lys Leu Phe Arg Glu Gly Arg Phe Asn
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His Lys Val Ser Ala Gly Gln Phe Ser Ser Leu His Val Arg Asp Thr
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Lys Ile Glu Val Ala Gln Phe Val Lys Asp Leu Leu Leu His Leu Lys
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Lys Leu Phe Arg Glu Gly Arg Phe Asn
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Val Leu Lys Ala Asp Gly Ala Ile Leu Val Asp Phe Trp Ala Glu Trp
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Cys Gly Pro Cys Lys Met Ile Ala Pro Ile Leu Asp Glu Ile Ala Asp
35 40 45

Glu Tyr Gln Gly Lys Leu Thr Val Ala Lys Leu Asn Ile Asp Gln Asn
50 55 60

Pro Gly Thr Ala Pro Lys Tyr Gly Ile Arg Gly Ile Pro Thr Leu Leu
65 70 75 80

Leu Phe Lys Asn Gly Glu Val Ala Ala Thr Lys Val Gly Ala Leu Ser
85 90 95

Lys Gly Gln Leu Lys Glu Phe Leu Asp Ala Asn Leu Ala Gly Ser Gly
100 105 110

Ser Gly His Met His His His His His His Ser Ser Gly Leu Val Pro
115 120 125

Arg Gly Ser Gly Met Lys Glu Thr Ala Ala Ala Lys Phe Glu Arg Gln
130 135 140

His Met Asp Ser Pro Asp Leu Gly Thr Asp Asp Asp Asp Lys Ala Met
145 150 155 160

Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu Leu Ile Glu Glu Leu
165 170 175

Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Val His His His
180 185 190

His His His Met Cys Ser Ala Ile Glu Lys Thr Gln Arg Ala Leu Ser
195 200 205

Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser Ser Leu His
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Leu His Leu Lys Lys Leu Phe Arg Glu Gly Arg Phe Asn
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His His His Xaa
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<223> X is HomoSerine Lactone

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1 5 10 15

Val Asn Ile Thr Gln Asn Gln Lys Ala Pro Leu Cys Val His His His
20 25 30

His His His Xaa
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<223> -S-CH₂CH₂CONHCH(CH₂CH(CH₃)₂)COOH

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

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

Ala Gln Phe Val Lys Asp Leu Leu Leu His Leu Lys Lys Leu Phe Arg
50 55 60

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

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

Ala Gln Phe Val Lys Asp Leu Leu Leu His Leu Lys Lys Leu Phe Arg
50 55 60

Glu Gly Arg Phe Asn
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Cys Ala Ala Leu Glu Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile
20 25 30

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

Ala Gly Gln Phe Ser Ser Leu His Val Arg Asp Thr Lys Ile Glu Val
50 55 60

Ala Gln Phe Val Lys Asp Leu Leu Leu His Leu Lys Lys Leu Phe Arg
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Glu Gly Arg Phe Asn
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20 25 30

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

Ala Gly Gln Phe Ser Ser Leu His Val Arg Asp Thr Lys Ile Glu Val
50 55 60

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

Val Trp Ser Ile Asn Leu Thr Ala Gly Met Tyr Cys Ala Ala Leu Glu
35 40 45

Ser Leu Ile Asn Val Ser Gly Cys Ser Ala Ile Glu Lys Thr Gln Arg
50 55 60

Ala Leu Ser Gly Phe Cys Pro His Lys Val Ser Ala Gly Gln Phe Ser
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