

R66912PC-Sequence listing  
SEQUENCE LISTING

<110> Roche Diagnostics GmbH/ F. Hoffmann-La Roche AG  
 <120> A mutant serine protease and a method and uses relating thereto  
 <130> R66912PC  
 <160> 6  
 <170> PatentIn version 3.5  
 <210> 1  
 <211> 268  
 <212> PRT  
 <213> Staphylococcus aureus  
 <400> 1

Val Ile Leu Pro Asn Asn Asp Arg His Gln Ile Thr Asp Thr Thr Asn  
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Gly His Tyr Ala Pro Val Thr Tyr Ile Gln Val Glu Ala Pro Thr Gly  
 20 25 30

Thr Phe Ile Ala Ser Gly Val Val Val Gly Lys Asp Thr Leu Leu Thr  
 35 40 45

Asn Lys His Val Val Asp Ala Thr His Gly Asp Pro His Ala Leu Lys  
 50 55 60

Ala Phe Pro Ser Ala Ile Asn Gln Asp Asn Tyr Pro Asn Gly Gly Phe  
 65 70 75 80

Thr Ala Glu Gln Ile Thr Lys Tyr Ser Gly Glu Gly Asp Leu Ala Ile  
 85 90 95

Val Lys Phe Ser Pro Asn Glu Gln Asn Lys His Ile Gly Glu Val Val  
 100 105 110

Lys Pro Ala Thr Met Ser Asn Asn Ala Glu Thr Gln Val Asn Gln Asn  
 115 120 125

Ile Thr Val Thr Gly Tyr Pro Gly Asp Lys Pro Val Ala Thr Met Trp  
 130 135 140

Glu Ser Lys Gly Lys Ile Thr Tyr Leu Lys Gly Glu Ala Met Gln Tyr  
 145 150 155 160

Asp Leu Ser Thr Thr Gly Gly Asn Ser Gly Ser Pro Val Phe Asn Glu  
 165 170 175

Lys Asn Glu Val Ile Gly Ile His Trp Gly Gly Val Pro Asn Glu Phe  
 180 185 190

Asn Gly Ala Val Phe Ile Asn Glu Asn Val Arg Asn Phe Leu Lys Gln

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200 205

195

Asn Ile Glu Asp Ile His Phe Ala Asn Asp Asp Gln Pro Asn Asn Pro  
210 215 220

Asp Asn Pro Asp Asn Pro Asn Asn Pro Asp Asn Pro Asn Asn Pro Asp  
225 230 235 240

Glu Pro Asn Asn Pro Asp Asn Pro Asn Asn Pro Asp Asn Pro Asp Asn  
245 250 255

Gly Asp Asn Asn Asn Ser Asp Asn Pro Asp Ala Ala  
260 265

<210> 2  
<211> 267  
<212> PRT  
<213> Staphylococcus aureus  
<400> 2

Val Ile Leu Pro Asn Asn Asp Arg His Gln Ile Thr Asp Thr Thr Asn  
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Gly His Tyr Ala Pro Val Thr Tyr Ile Gln Val Glu Ala Pro Thr Gly  
20 25 30

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

Lys His Val Val Asp Ala Thr Gly Asp Pro His Ala Leu Lys Ala Phe  
50 55 60

Pro Ser Ala Ile Asn Gln Asp Asn Tyr Pro Asp Gly Gly Phe Thr Ala  
65 70 75 80

Glu Gln Ile Thr Lys Tyr Ser Gly Glu Gly Asp Leu Ala Ile Val Lys  
85 90 95

Phe Ser Pro Asn Glu Gln Asn Lys His Ile Gly Glu Val Val Lys Pro  
100 105 110

Ala Thr Met Ser Asn Asn Ala Glu Thr Gln Val Asp Gln Asn Ile Thr  
115 120 125

Val Thr Gly Tyr Pro Gly Asp Lys Pro Val Ala Thr Met Trp Glu Ser  
130 135 140

Lys Gly Lys Ile Thr Tyr Leu Lys Gly Glu Ala Met Gln Tyr Asn Leu  
145 150 155 160

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

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Glu Val Ile Gly Ile His Trp Gly Gly Val Pro Asn Gln Phe Asn Gly  
180 185 190

Ala Val Phe Ile Asn Asn Glu Asn Val Arg Asn Phe Leu Lys Gln Asn  
195 200 205

Ile Glu Asp Ile His Phe Ala Asn Asp Asp Gln Pro Asn Asn Pro Asp  
210 215 220

Asn Pro Asp Asn Pro Asn Asn Pro Asp Asn Pro Asn Asn Pro Asp Glu  
225 230 235 240

Pro Asn Asn Pro Asp Asn Pro Asn Asn Pro Asp Asn Pro Asp Asn Gly  
245 250 255

Asp Asn Asn Asn Ser Asp Asn Pro Asp Ala Ala  
260 265

<210> 3  
<211> 6  
<212> PRT  
<213> Homo sapiens

<400> 3

Val His Leu Thr Pro Glu  
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<210> 4  
<211> 49  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Forward primer (SEQ ID NO: 4)

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<210> 5  
<211> 32  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Reverse primer (SEQ ID NO: 5)

<400> 5  
gcaatggcca ctattaagct gcatctggat tg

32

<210> 6  
<211> 49  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Reverse primer with polyhistidine tag (SEQ ID NO: 6)

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<400> 6  
gcaatggcca ctaatgatga tgatgatgat gagctgcatc tggattgtc

49