

Fig. 1

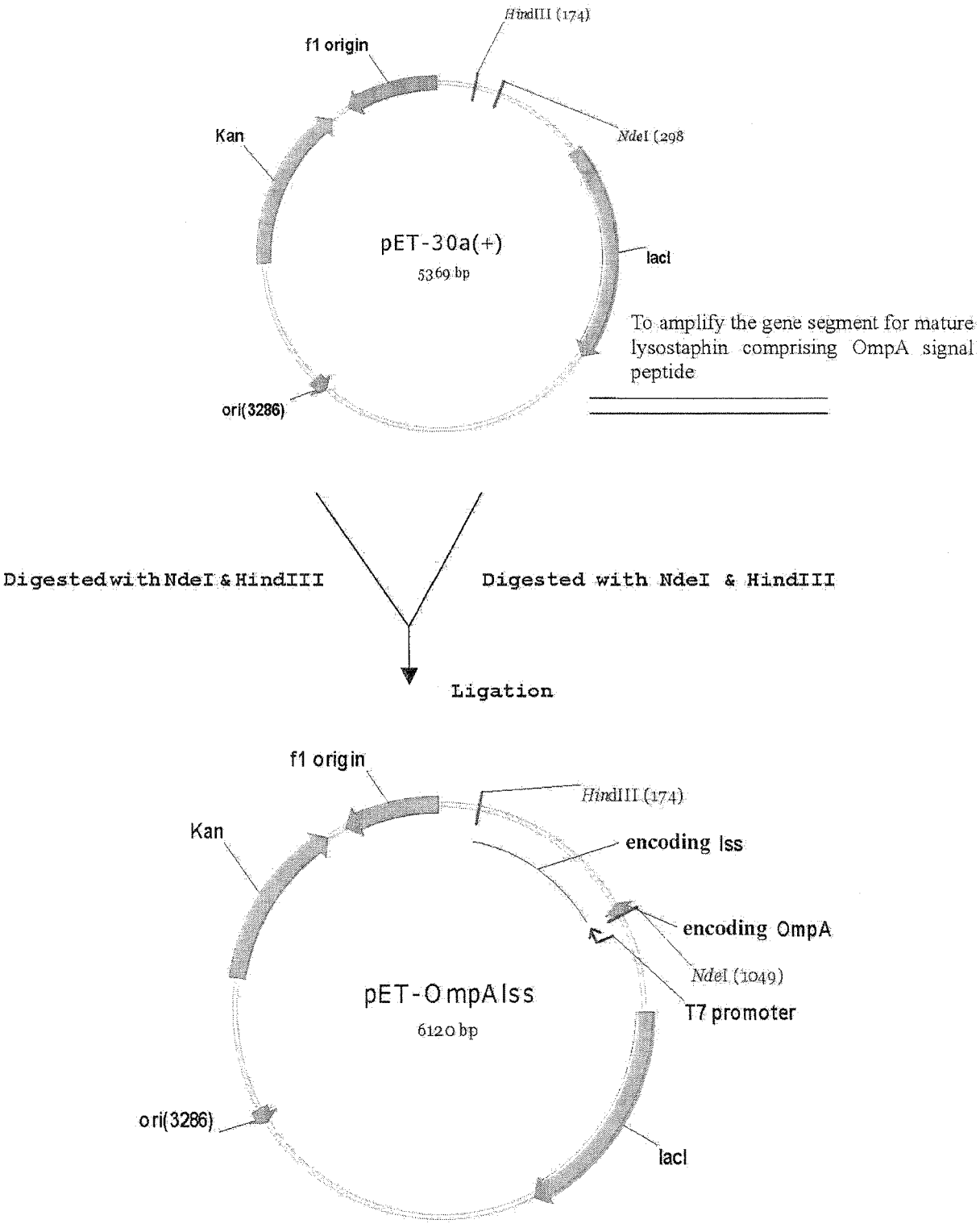

HindIII (174)
f1 origin
NdeI (298
Kan
pET-30a(+)
5369 bp
lacI
To amplify the gene segment for mature lysostaphin comprising OmpA signal peptide
ori(3286)
Digested with NdeI & HindIII
Digested with NdeI & HindIII
Ligation
f1 origin
HindIII (174)
Kan
encoding lss
encoding OmpA
NdeI (1049)
pET-OmpAlss
6120 bp
T7 promoter
ori(3286)
lacI

Fig. 2

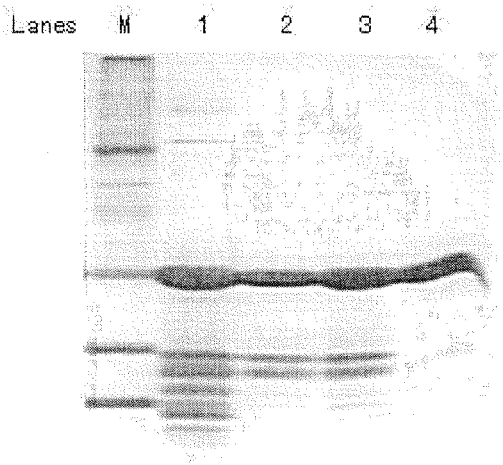


Fig. 3

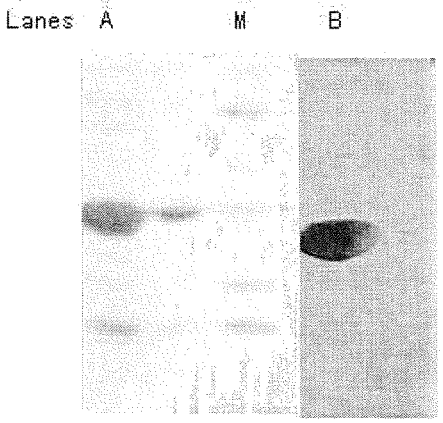


Fig. 4

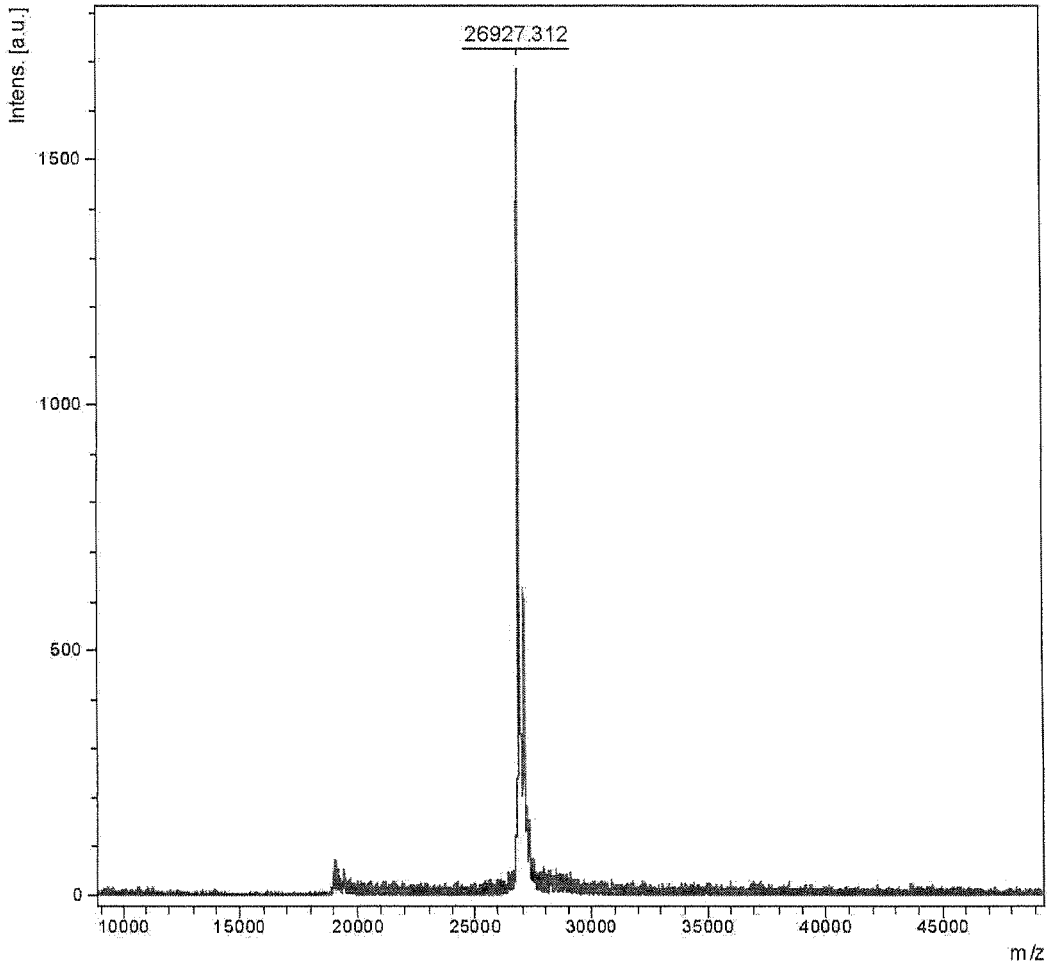

26927.312
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30000
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40000
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m/z

Fig. 5

Sequence Listing

<110>Shanghai Hi-tech United Bio-technological Research & Development Co., Ltd

<120>A Method of Secretory Expression of Lysostaphin in Escherichia coli at High Level

<130>

<160>7

<170>PatentIn Version2.1

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50 55 60
Tyr Gly Gly Gly Asn Gln Ile Gly Leu Ile Glu Asn Asp Gly Val
65 70 75
His Arg Gln Trp Tyr Met His Leu Ser Lys Tyr Asn Val Lys Val
80 85 90
Gly Asp Tyr Val Lys Ala Gly Gln Ile Ile Gly Trp Ser Gly Ser
95 100 105
Thr Gly Tyr Ser Thr Ala Pro His Leu His Phe Gln Arg Met Val
110 115 120
Asn Ser Phe Ser Asn Ser Thr Ala Gln Asp Pro Met Pro Phe Leu
125 130 135
Lys Ser Ala Gly Tyr Gly Lys Ala Gly Gly Thr Val Thr Pro Thr
140 145 150
Pro Asn Thr Gly Trp Lys Thr Asn Lys Tyr Gly Thr Leu Tyr Lys
155 160 165
Ser Glu Ser Ala Ser Phe Thr Pro Asn Thr Asp Ile Ile Thr Arg
170 175 180
Thr Thr Gly Pro Phe Arg Ser Met Pro Gln Ser Gly Val Leu Lys
185 190 195
Ala Gly Gln Thr Ile His Tyr Asp Glu Val Met Lys Gln Asp Gly
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His Val Trp Val Gly Tyr Thr Gly Asn Ser Gly Gln Arg Ile Tyr
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1

4