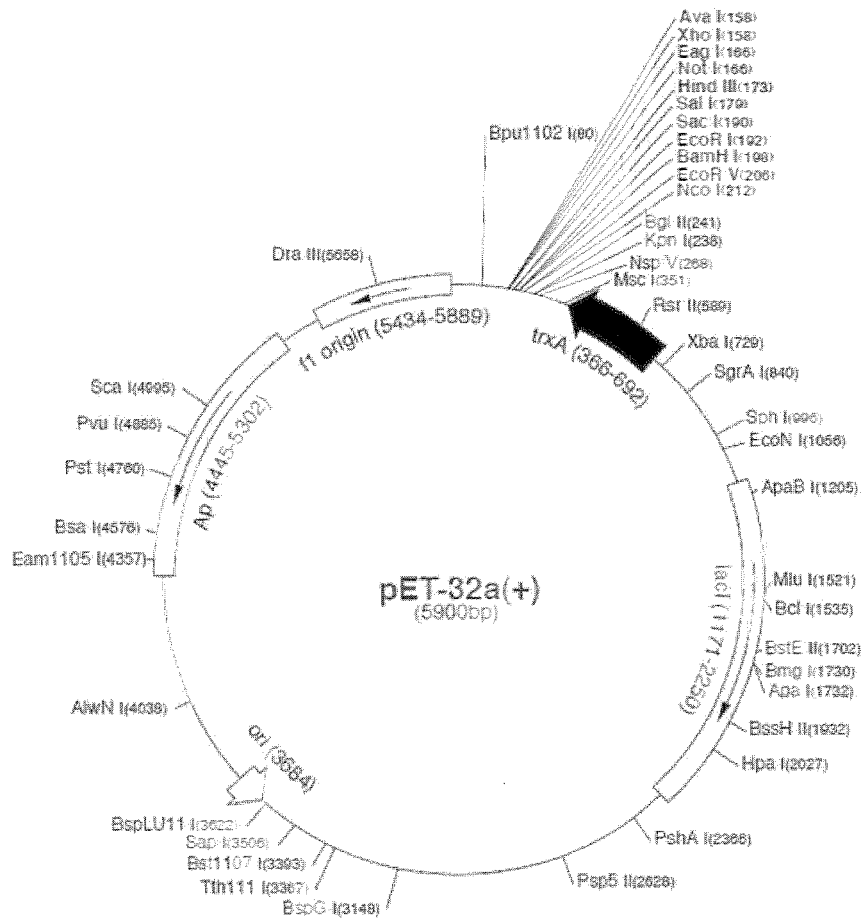
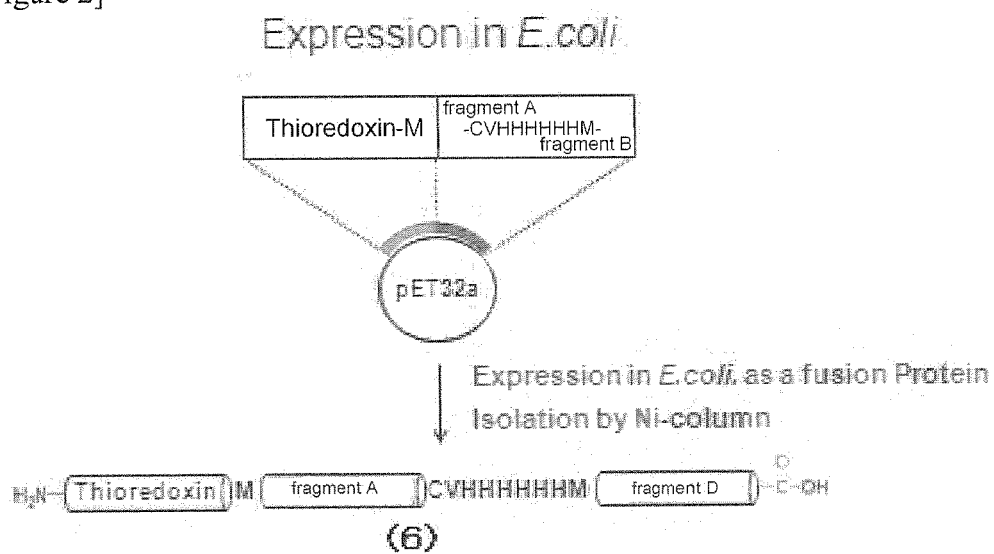


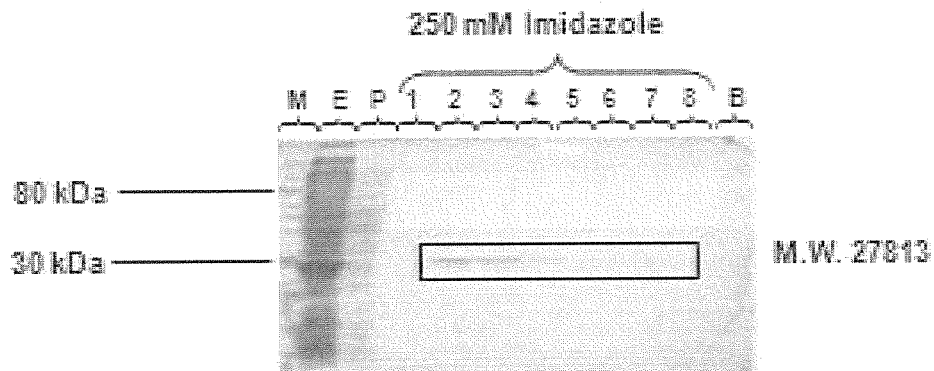
[Figure 1]



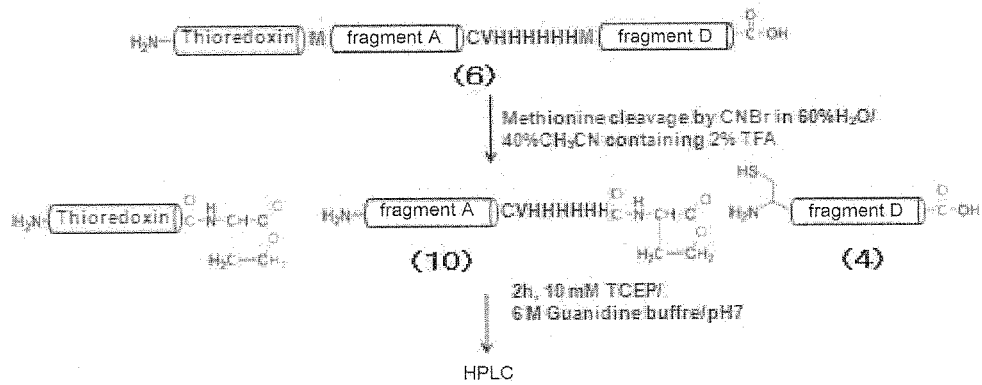
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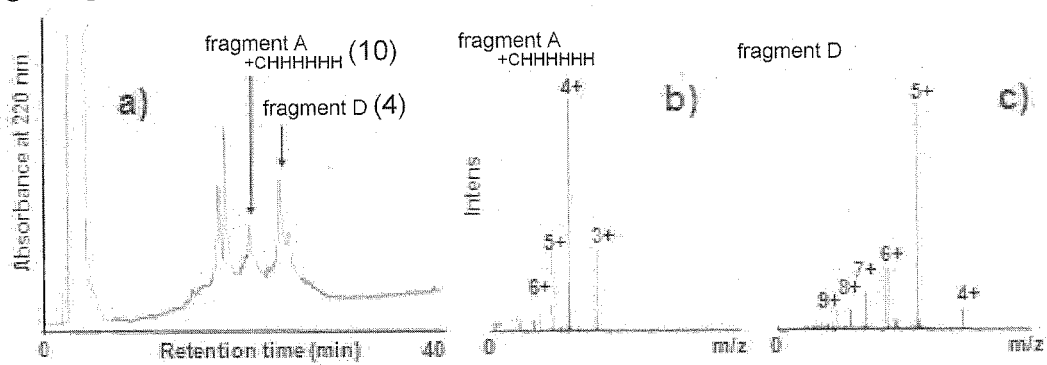
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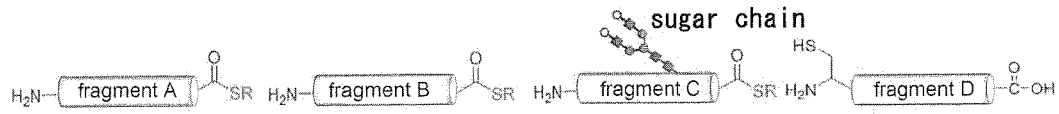
[Figure 4]



[Figure 5]



[Figure 6]

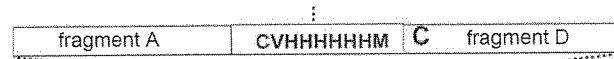


E. coli expression

chemical synthesis

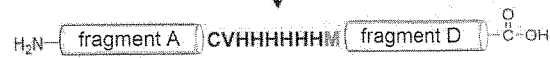
chemical synthesis

E. coli expression



Plasmid

plasmid

Prepared by E. coli expression  
+ affinity column

Methionine cleavage by CNBr



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<120> Method for producing polypeptide fragment available for Native Chemical Ligation

<130> OCKP1105F

<150> JP2011-210007

<151> 2011-09-26

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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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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  
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His Met Asp Ser Pro Asp Leu Gly Thr Asp Asp Asp Lys Ala Met  
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Gly Pro Val Pro Pro Ser Thr Ala Leu Arg Glu Leu Ile Glu Glu Leu  
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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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His His His Xaa  
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Ala Gly Gln Phe Ser Ser Leu His Val Arg Asp Thr Lys Ile Glu Val  
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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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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  
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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  
Page 10

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| 65  |     | 70  |     | 75  |     | 80  |
| Ser | Leu | His | Val | Arg | Asp | Thr |
|     |     |     |     | 85  | Lys | Ile |
|     |     |     |     |     | 90  | Glu |
|     |     |     |     |     |     | Val |
|     |     |     |     |     |     | Ala |
|     |     |     |     |     |     | Gln |
|     |     |     |     |     |     | Phe |
|     |     |     |     |     |     | Val |
|     |     |     |     |     |     | 95  |
|     |     |     |     |     |     | Lys |

|     |     |     |     |     |     |     |
|-----|-----|-----|-----|-----|-----|-----|
| Asp | Leu | Leu | Leu | His | Leu | Lys |
|     |     |     |     |     |     | Lys |
|     |     |     |     |     |     | Leu |
|     |     |     |     |     |     | 105 |
|     |     |     |     |     |     | Phe |
|     |     |     |     |     |     | Arg |
|     |     |     |     |     |     | Glu |
|     |     |     |     |     |     | Gly |
|     |     |     |     |     |     | Arg |
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