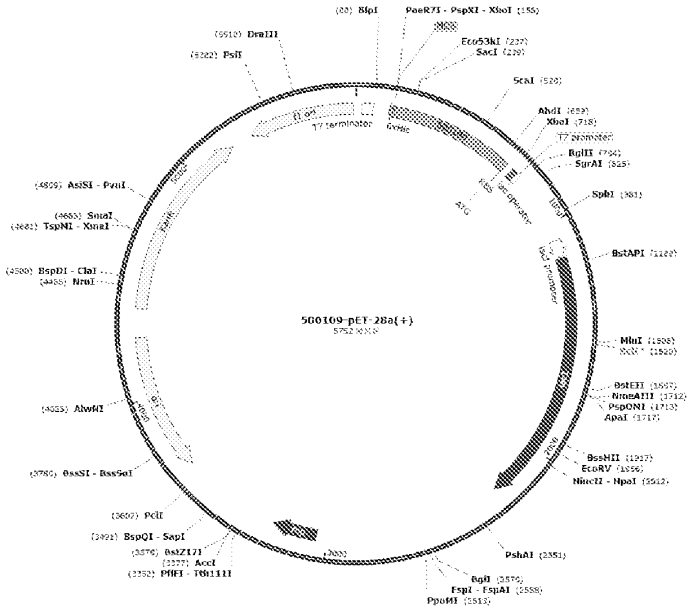

(88) BlpI
PaeR7I - PspXI - XhoI (155)
(5510) DraIII
(5222) PsiI
Eco53kI (227)
SacI (229)
ScaI (520)
AhdI (659)
XhoI (718)
T7 terminator
BglII (794)
SgrAI (825)
SphI (981)
ori
AmpR
BstAPI (1180)
500109-pET-28a(+)
5752 bp
MluI (1508)
BstEII (1697)
NmeAIII (1742)
PspOMI (1713)
ApaI (1717)
BssHII (1917)
EcoRV (1956)
NheI - NpaI (2012)
PshAI (2351)
BglI (2570)
FspI - FspAI (2588)
PpuMI (2613)
(3602) PciI
(3921) BspQI - SapI
(3976) BsaZI(1)
(3977) AccI
(3982) PflFI - Tth111I
(3760) BssSI - BssSαI
(4035) AlwNI
(4809) AsiSI - PvuI
(4883) SmaI
(4882) TspMI - XmaI
(4880) BspDI - ClaI
(4888) NruI

图 1

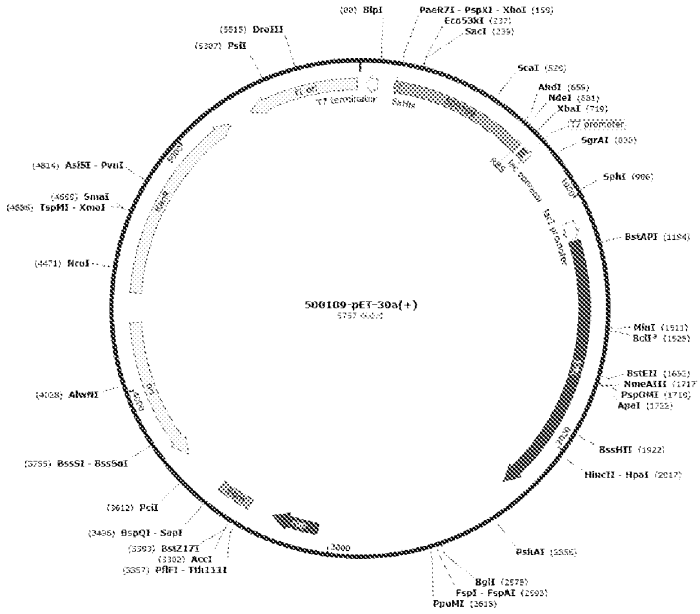

(88) BlpI
PaeR7I - PspXI - XhoI (159)
Eco53kI (227)
SacI (239)
(5515) DraIII
(5207) PsiI
ScaI (520)
AhdI (659)
NdeI (683)
XbaI (719)
T7 promoter
SgrAI (836)
SphI (986)
lacI
lac promoter
BstAPI (1184)
500109-pET-30a(+)
5757 bp
MluI (1511)
BclI* (1528)
BstEII (1693)
NmeAIII (1717)
PspOMI (1716)
ApaI (1721)
BssHII (1922)
NheI - NpaI (2017)
PshAI (2355)
BglI (2578)
FspI - FspAI (2593)
PpuMI (2618)
(3612) PciI
(3436) BspQI - SapI
(3393) BsaZI(1)
(3392) AccI
(3387) PflFI - Tth111I
(3765) BssSI - BssSαI
(4008) AlwNI
(4471) NcoI
(4816) AsiSI - PvuI
(4890) SmaI
(4888) TspMI - XmaI

图 2

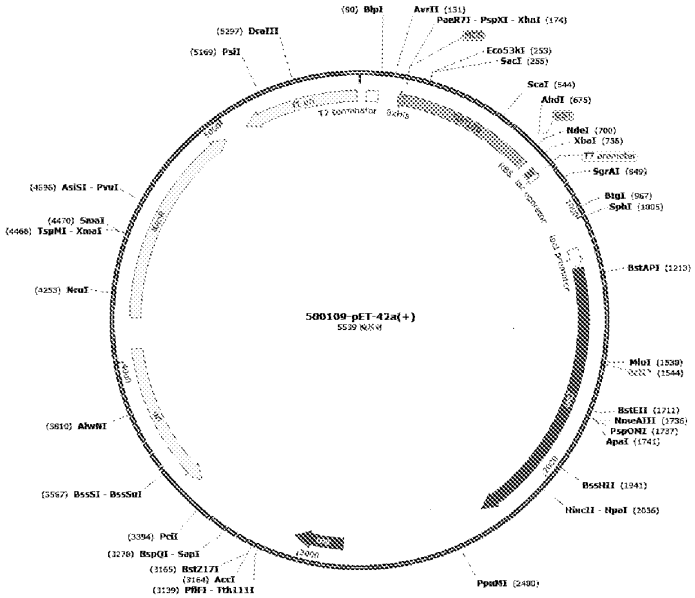

(90) BlpI
AvrII (131)
PaeR7I - PspXI - XhoI (174)
(5297) DraIII
(5169) PsiI
Eco53kI (253)
SacI (288)
ScaI (544)
AlwNI (675)
NdeI (700)
XbaI (738)
T7 promoter
SgrAI (849)
BtgI (967)
SphI (1005)
(4696) AsiSI - PvuI
(4470) SmaI
(4468) TspMI - XmaI
BstAPI (1213)
(3253) NcuI
pET-42a(+)
5539 bp
MluI (1539)
(1544)
BstEII (1711)
NaeAIII (1736)
PspOMI (1737)
ApaI (1741)
BssHII (1941)
NheI - SpeI (2036)
(5810) AlwNI
(5587) BssSI - BssSαI
(3394) PciI
(3278) BspQI - SapI
(3165) BstZ17I
(3164) AccI
(3139) PflFI - Tth111I
PpuMI (2480)

图 3

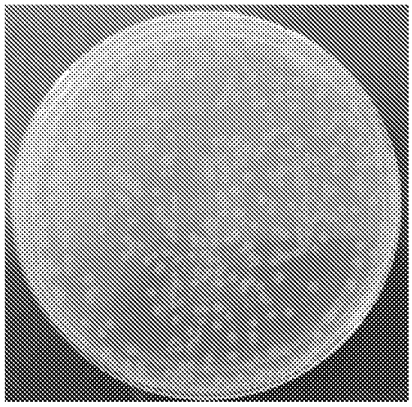


图 4

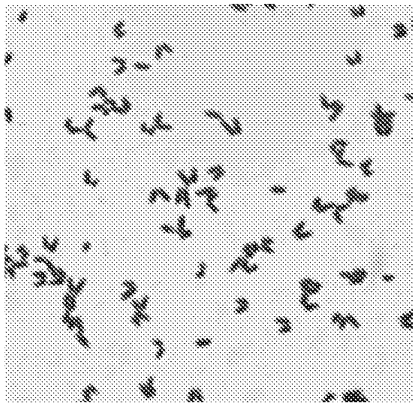


图 5

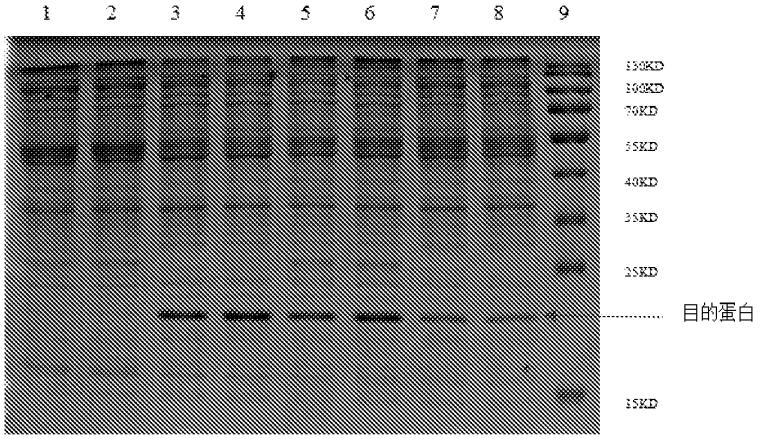

1 2 3 4 5 6 7 8 9
130KD
100KD
70KD
55KD
40KD
35KD
25KD
目的蛋白
15KD

图 6

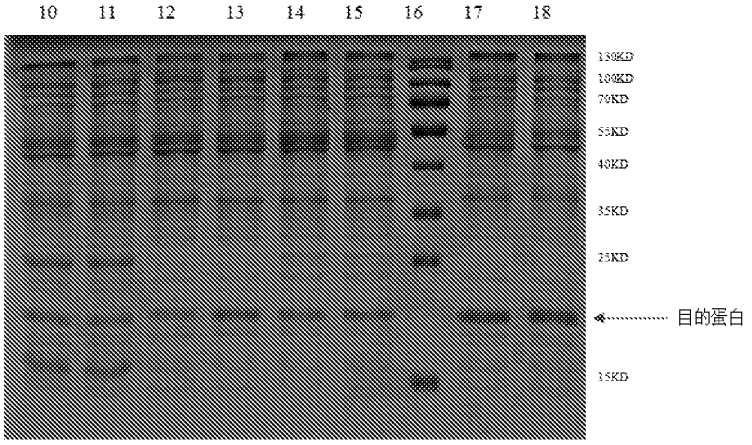

10 11 12 13 14 15 16 17 18
130KD
100KD
70KD
55KD
40KD
35KD
25KD
目的蛋白
15KD

图 7

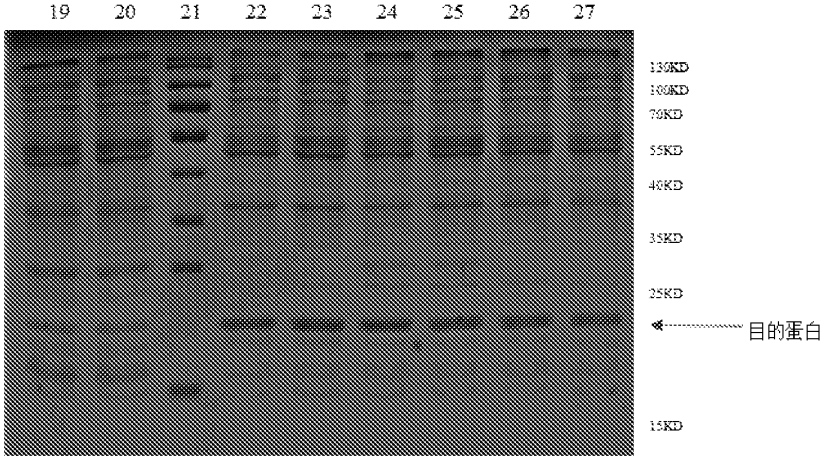

19 20 21 22 23 24 25 26 27
130KD
100KD
70KD
55KD
40KD
35KD
25KD
目的蛋白
15KD

图 8

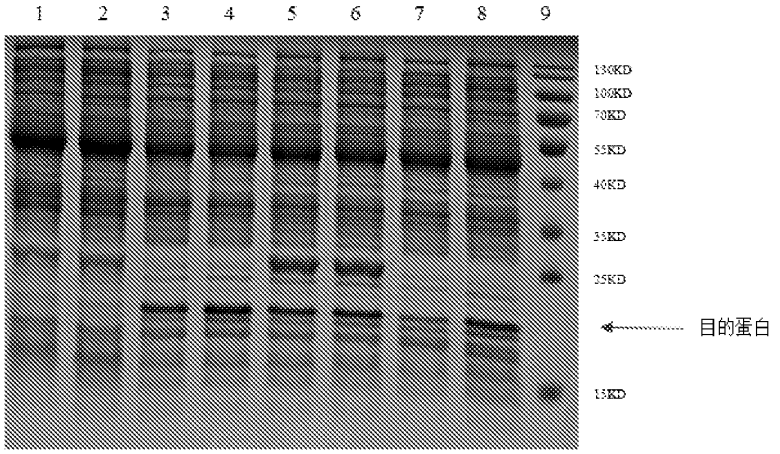

1
2
3
4
5
6
7
8
9
130KD
100KD
70KD
55KD
40KD
35KD
25KD
目的蛋白
15KD

图 9

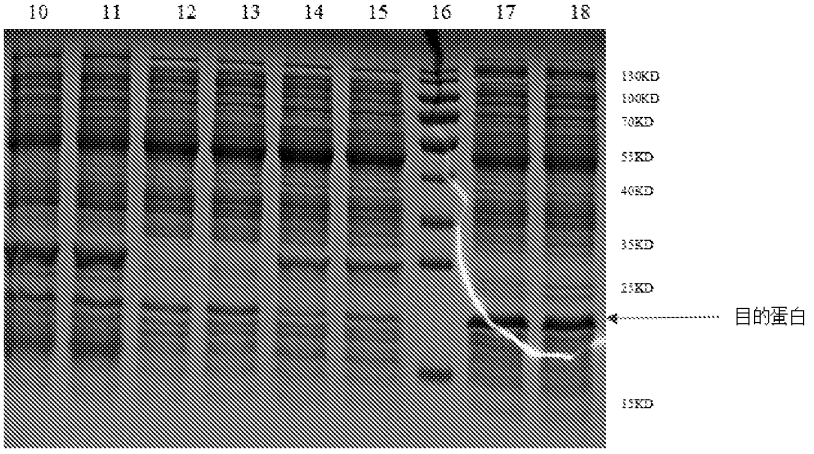

10
11
12
13
14
15
16
17
18
130KD
100KD
70KD
55KD
40KD
35KD
25KD
目的蛋白
15KD

图 10

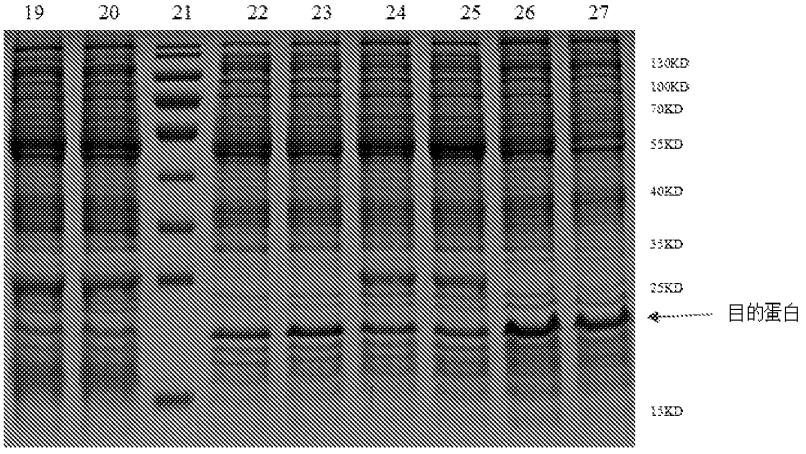

19
20
21
22
23
24
25
26
27
130KD
100KD
70KD
55KD
40KD
35KD
25KD
目的蛋白
15KD

图 11

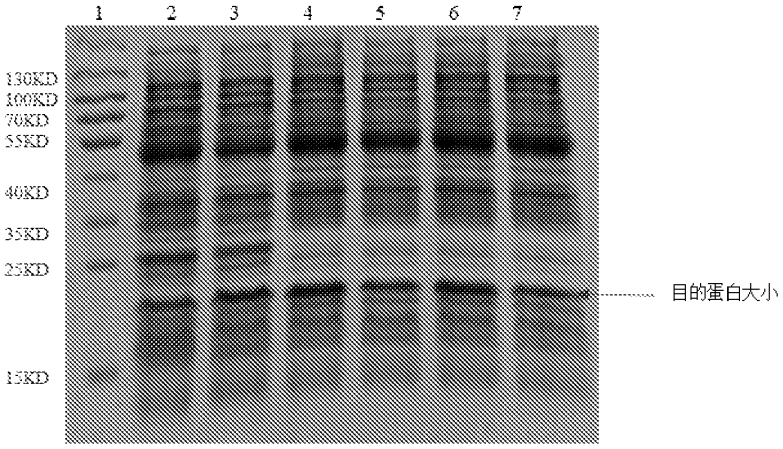

1
2
3
4
5
6
7
130KD
100KD
70KD
55KD
40KD
35KD
25KD
15KD
目的蛋白大小

图 12

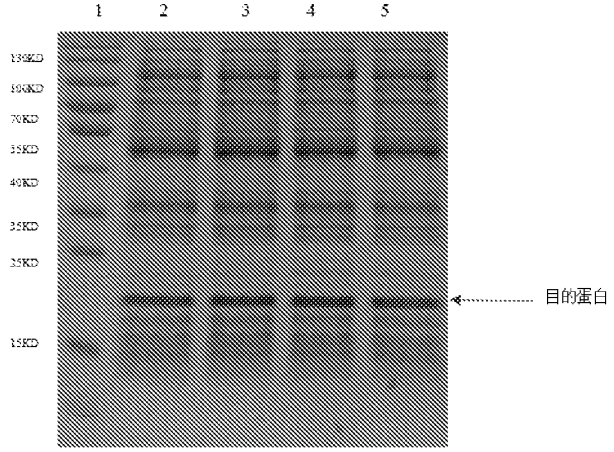

1
2
3
4
5
70KD
55KD
40KD
35KD
25KD
15KD
目的蛋白

图 13

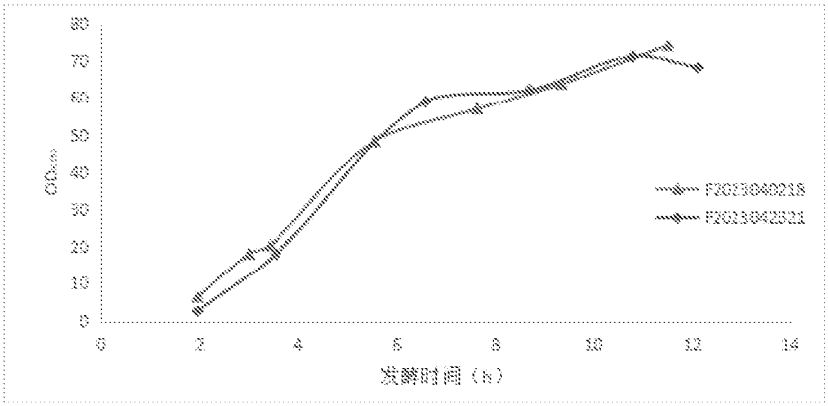

80
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
14
发酵时间（h）
FZ023040218
FZ023042521

图 14

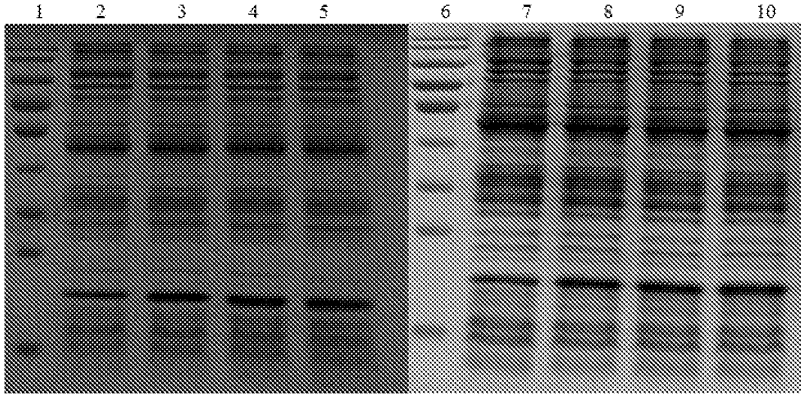

1
2
3
4
5
6
7
8
9
10

图 15

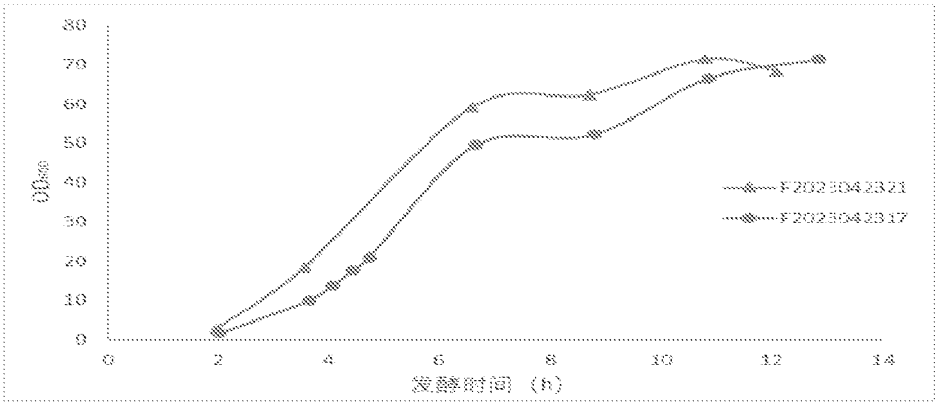

80
70
60
50
40
30
20
10
0
OD600
0
2
4
6
8
10
12
14
发酵时间（h）
F202304232I
F202304232I7

图 16

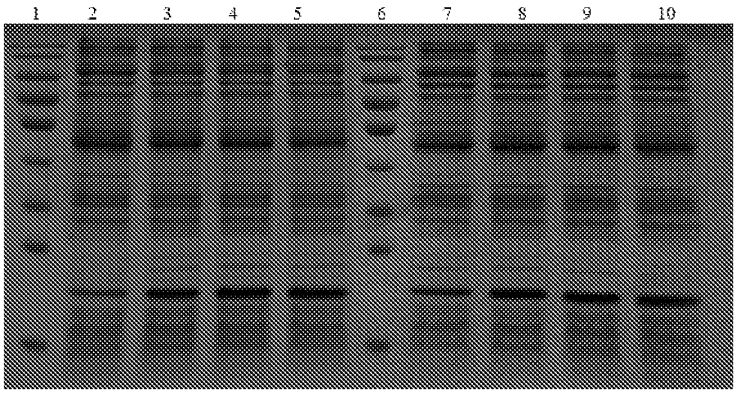

1
2
3
4
5
6
7
8
9
10

图 17

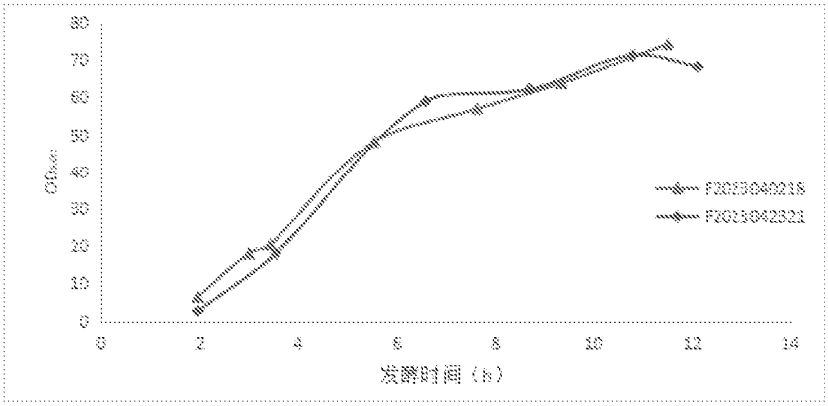

80
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
14
发酵时间（h）
F2023042216
F2023042321

图 18

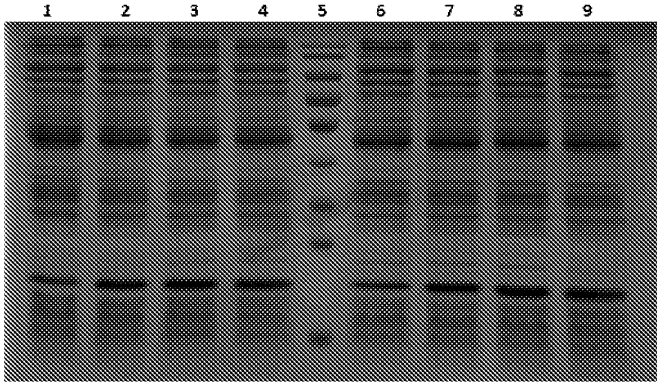

1
2
3
4
5
6
7
8
9

图 19

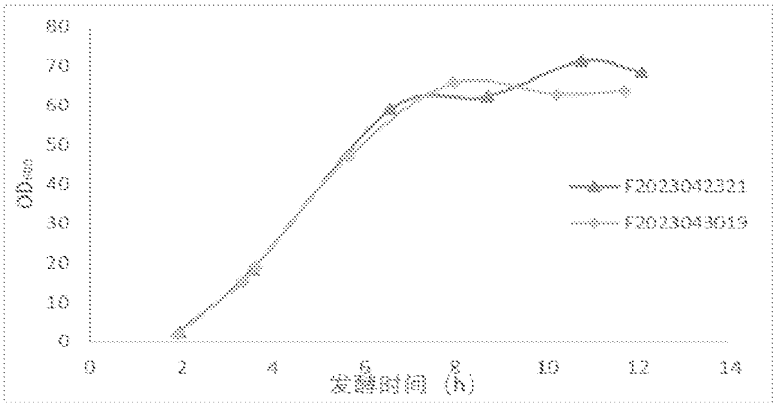

80
70
60
50
40
30
20
10
0
0
2
4
6
8
10
12
14
发酵时间（h）
F2023042321
F2023043019

图 20

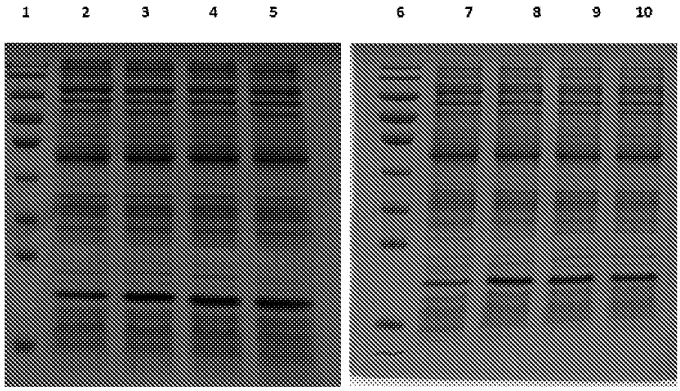

1 2 3 4 5 6 7 8 9 10

图 21

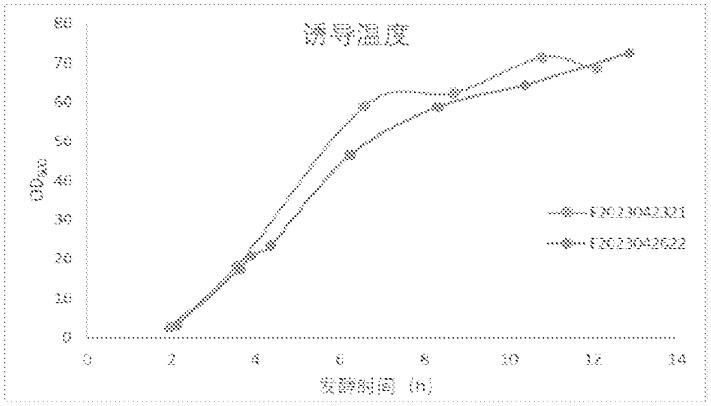

诱导温度
80
70
60
50
40
30
20
10
0
OD600
0 2 4 6 8 10 12 14
发酵时间（h）
EX-230402321
EX-230402622

图 22

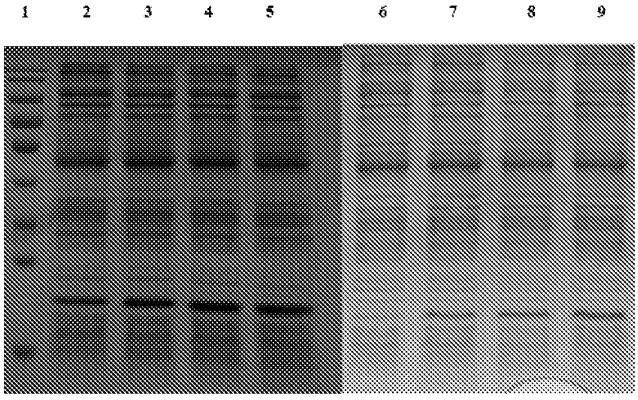

1 2 3 4 5 6 7 8 9

图 23

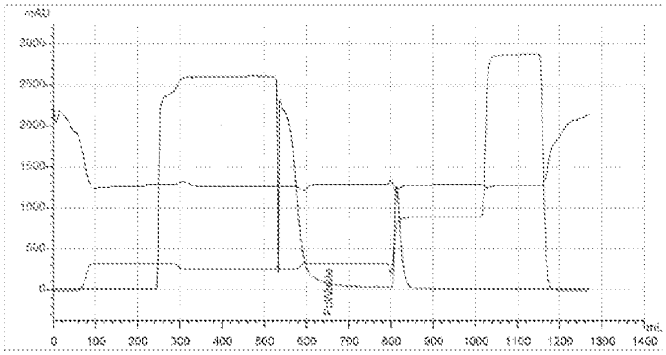


图 24

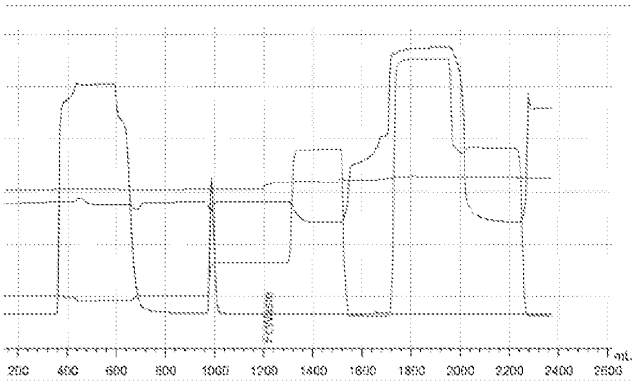


图 25

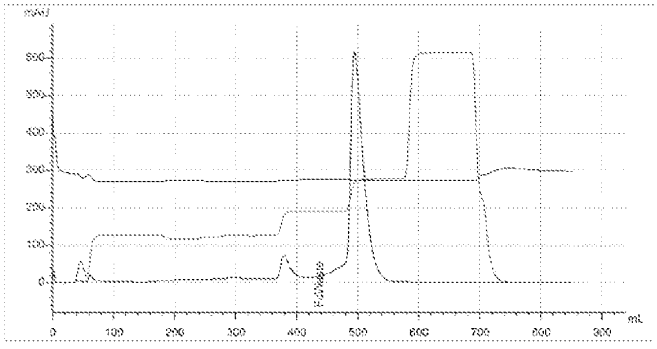


图 26

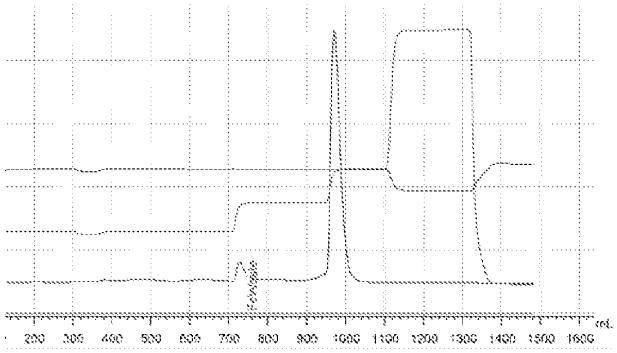


图 27

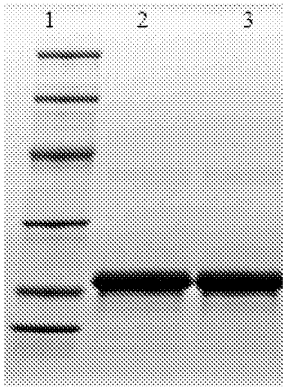


图 28

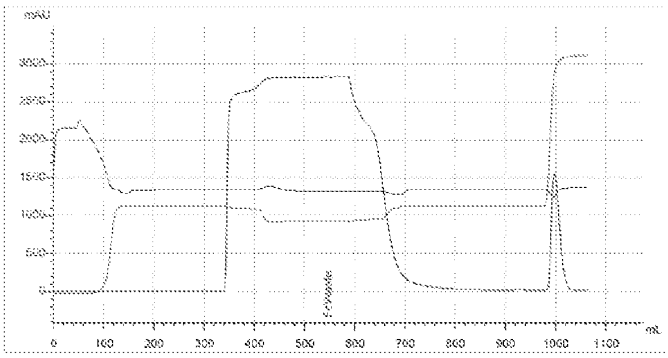


图 29

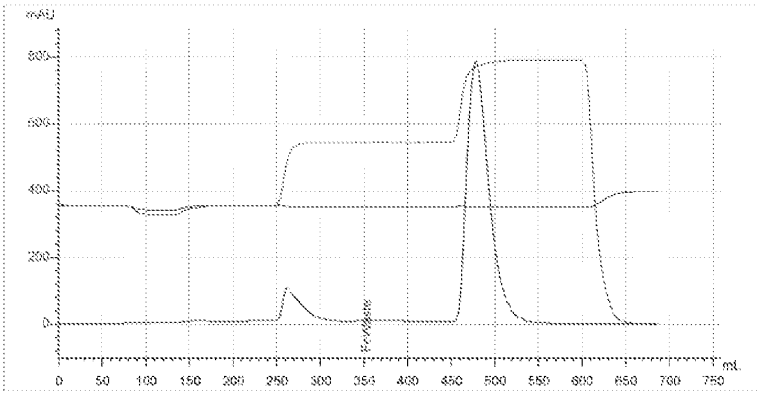

mAU
800
600
400
200
0
mL
0 50 100 150 200 250 300 350 400 450 500 550 600 650 700 750

图 30

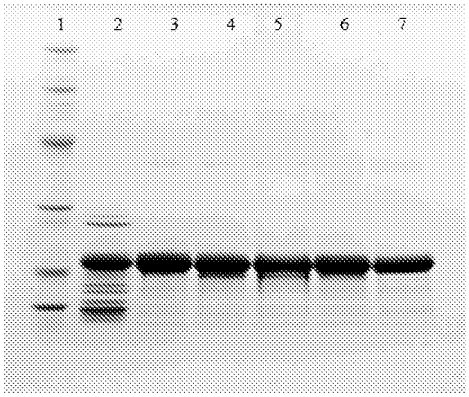

1 2 3 4 5 6 7

图 31

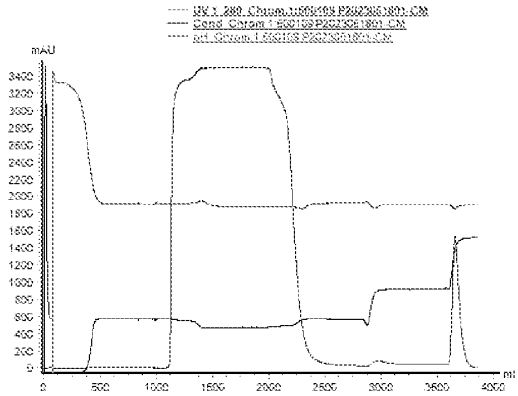

mAU
3400
3200
3000
2800
2600
2400
2200
2000
1800
1600
1400
1200
1000
800
600
400
200
0
ml
0 500 1000 1500 2000 2500 3000 3500 4000

图 32

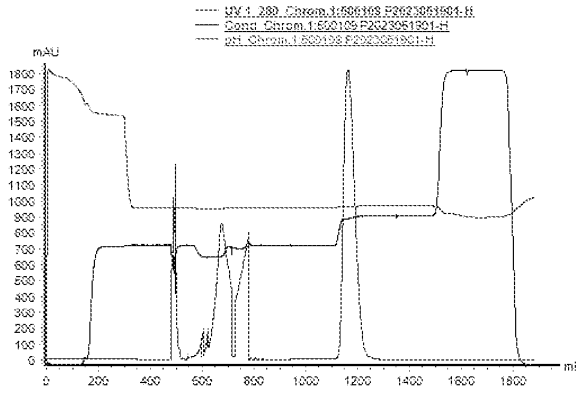

UV 1_280, Chrom.1:500109.P2023051901-H
Cond, Chrom.1:500109.P2023051901-H
mAU
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
0
200
400
600
800
1000
1200
1400
1600
1800
ml

图 33

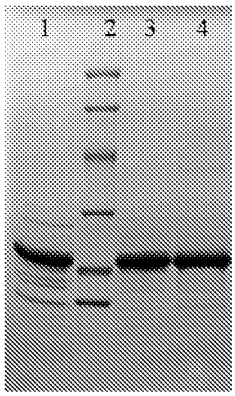

1
2
3
4

图 34

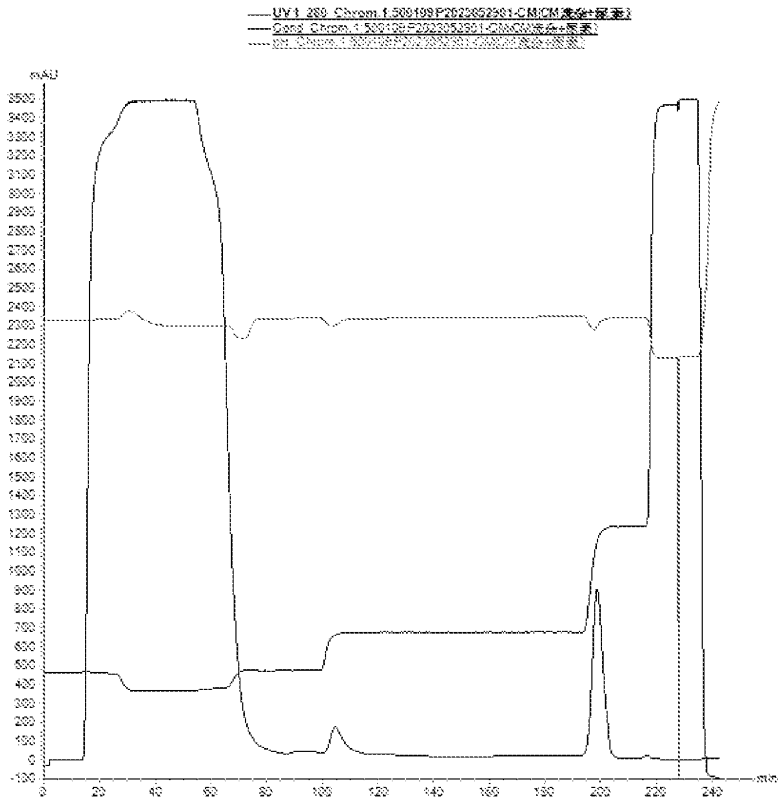


图 35

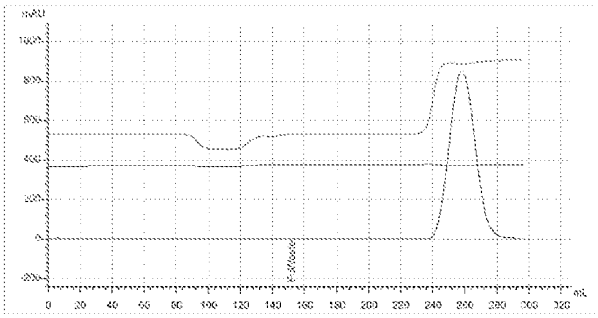
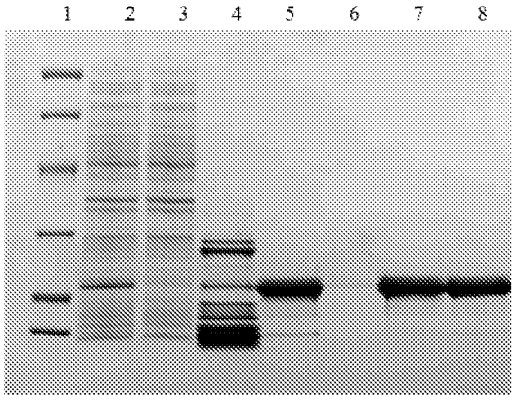


图 36



5

图 37

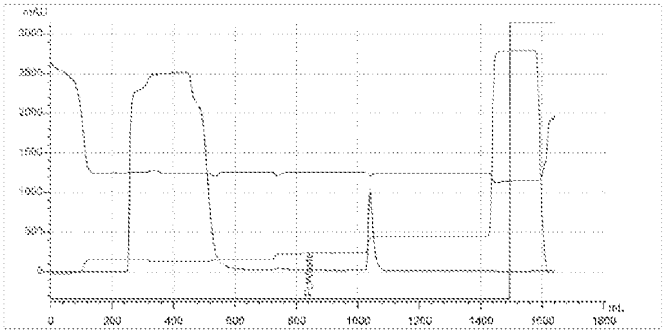


图 38

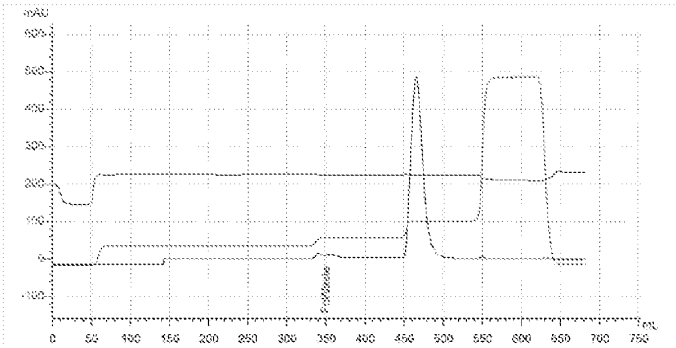


图 39

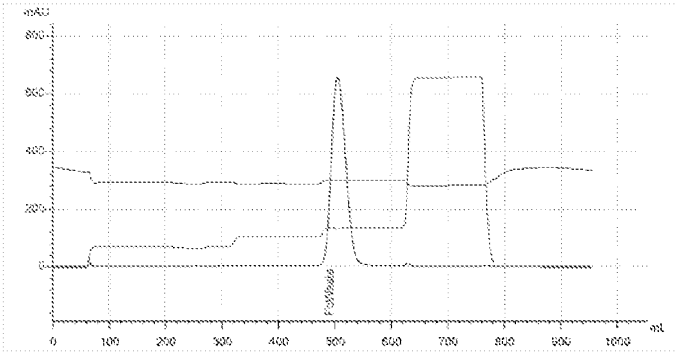


图 40

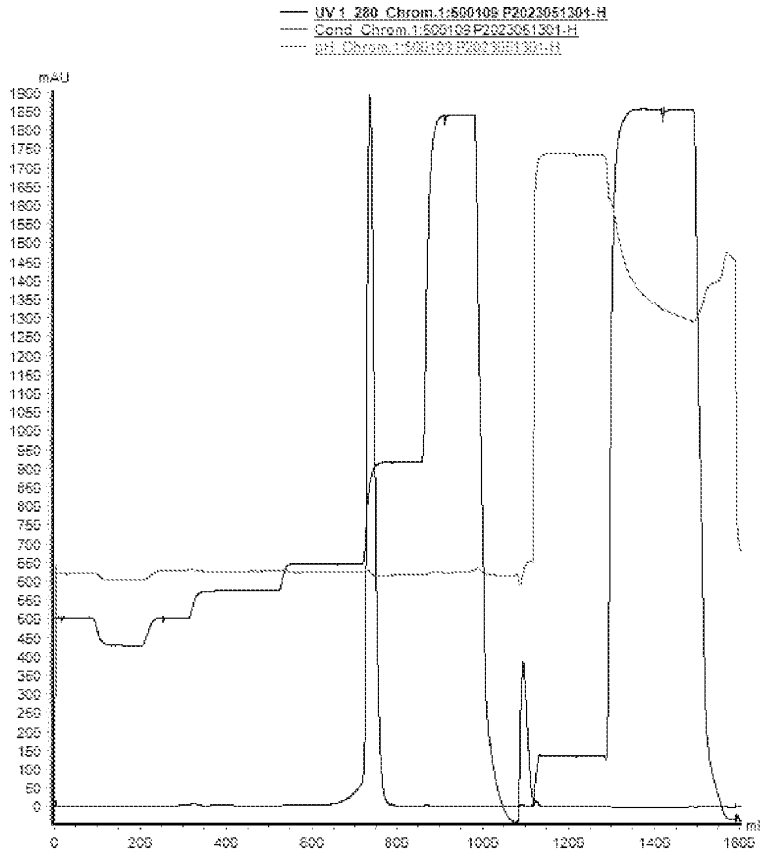

UV 1_280 Chrom.1:S00109 P2023051301-H
Cond Chrom.1:S00109 P2023051301-H
mAU
ml

图 41

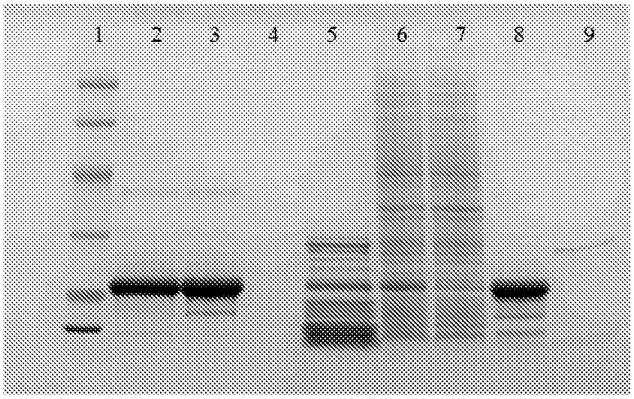

1
2
3
4
5
6
7
8
9

图 42

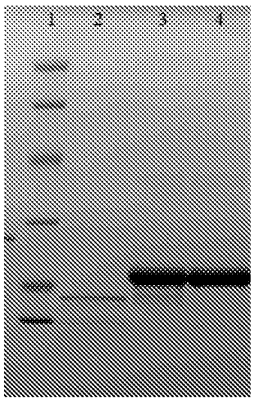


图 43

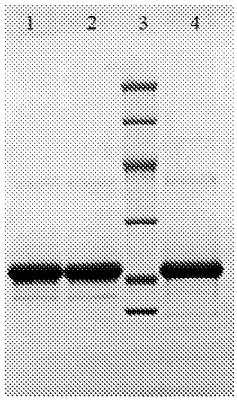


图 44

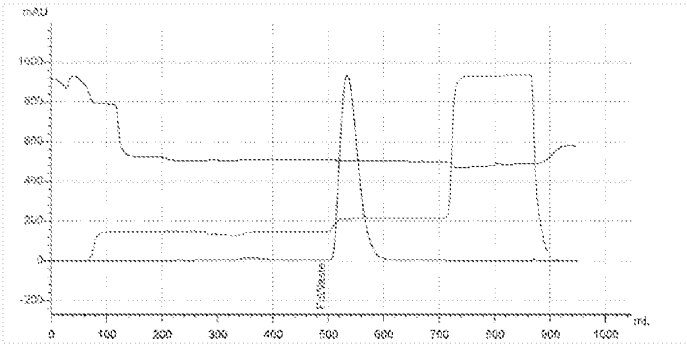


图 45

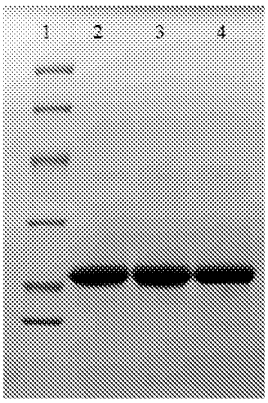

1
2
3
4

图 46

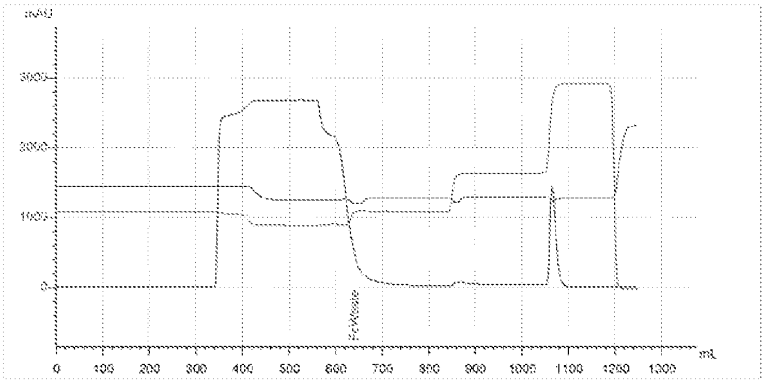

mAU
300
200
100
0
0
100
200
300
400
500
600
700
800
900
1000
1100
1200
1300
mL

图 47

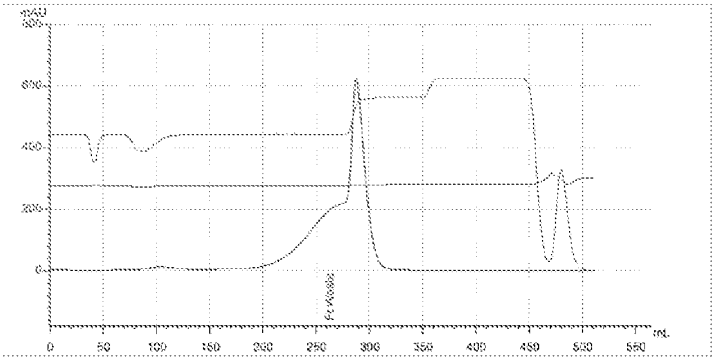

mAU
800
600
400
200
0
0
50
100
150
200
250
300
350
400
450
500
550
mL

图 48

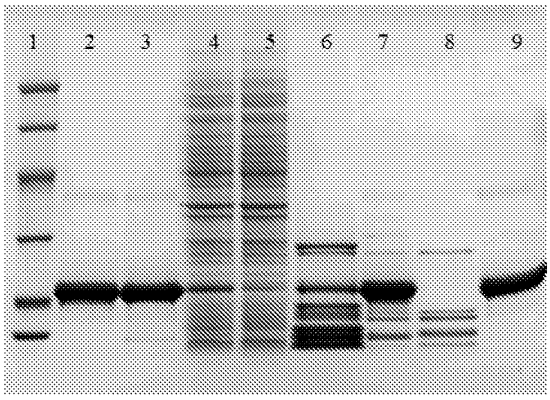


图 49

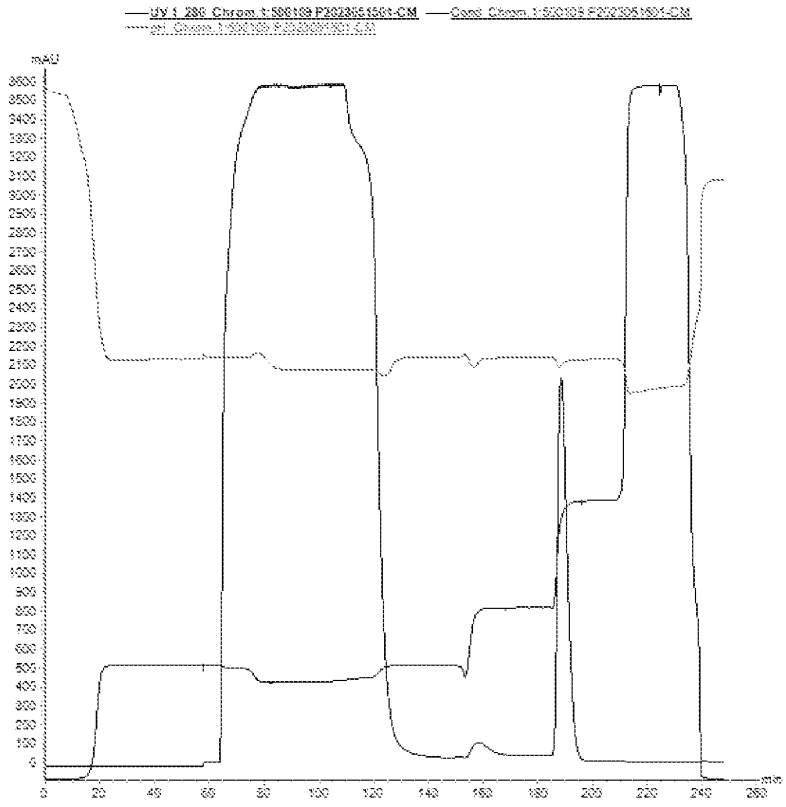


图 50

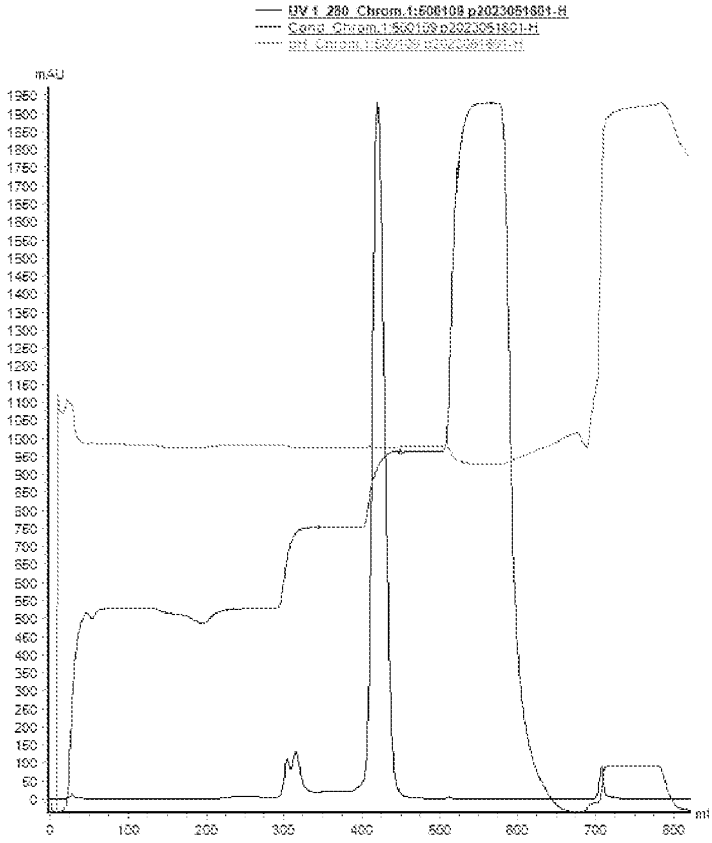

UV 1_280 Chrom.1:606108 p2023051601-H
Cond Chrom.1:606108 p2023051601-H
mAU
ml

图 51

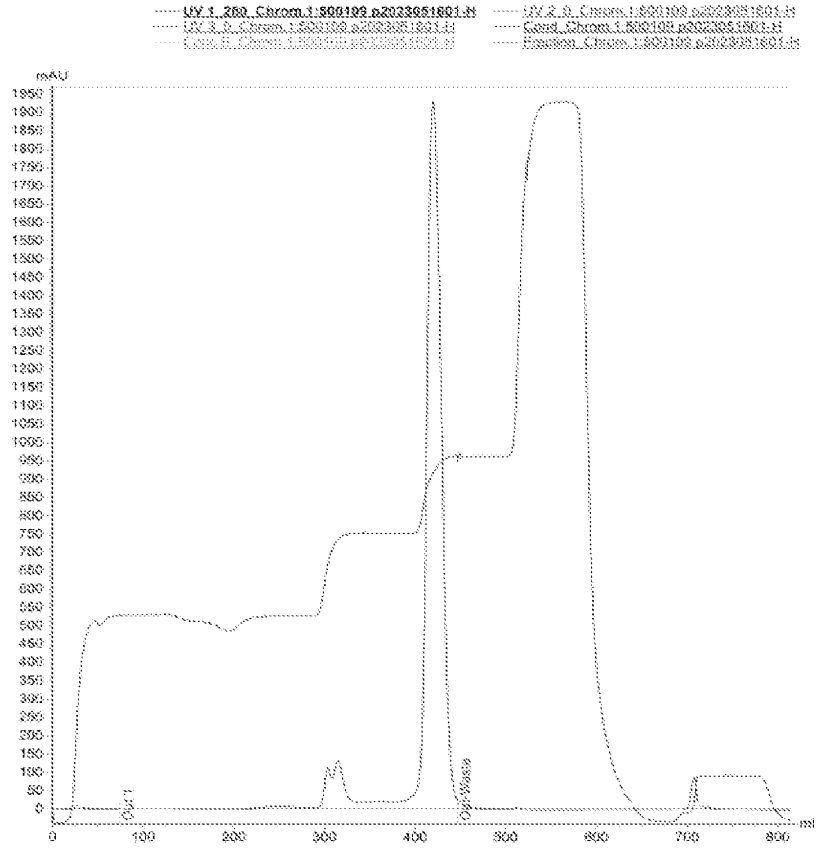


图 52

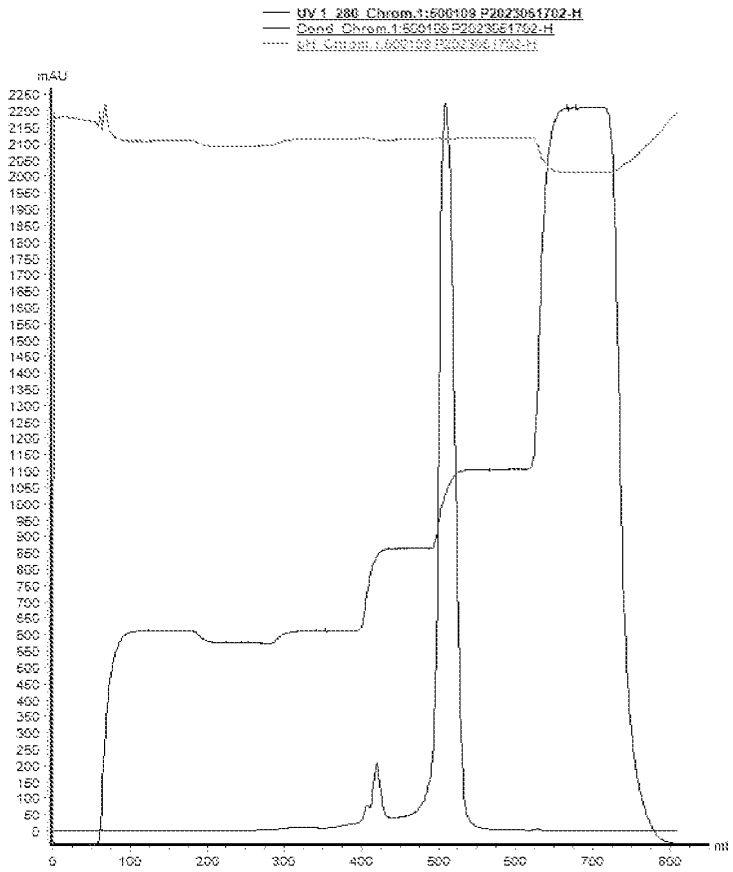

UV 1_280 Chrom.1:600109 P2023051702-H
Cond Chrom.1:600109 P2023051702-H
mAU
ml

图 53

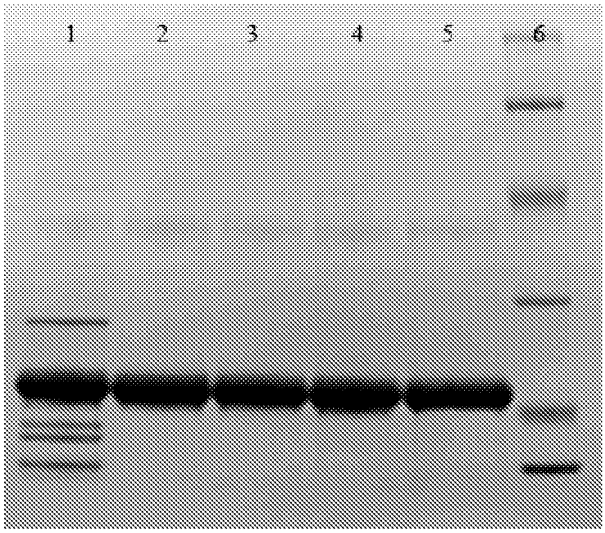

1
2
3
4
5
6

图 54

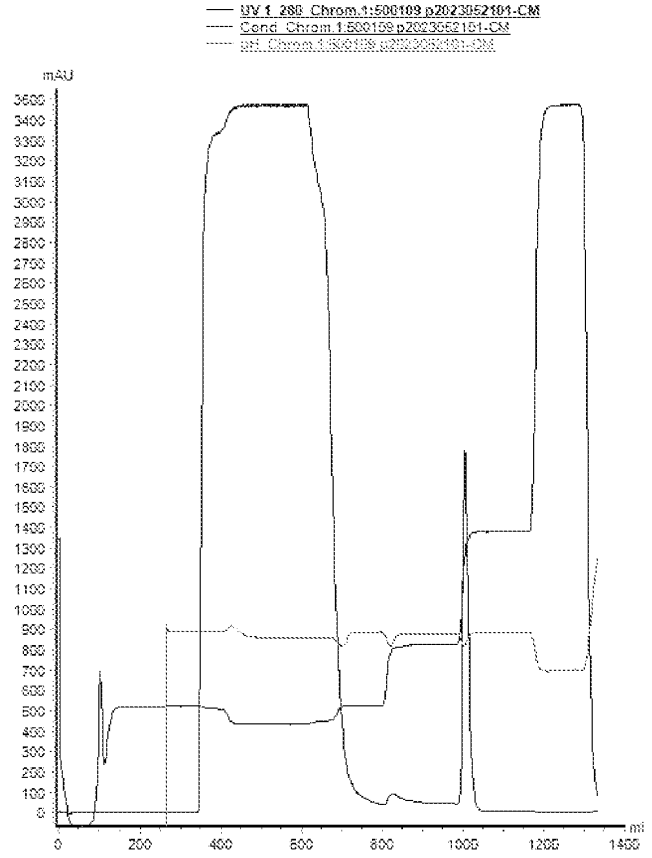

UV 1_280 Chrom.1:500109 p2023052101-CM
Cond Chrom.1:500159 p2023052101-CM
mAU
ml

图 55

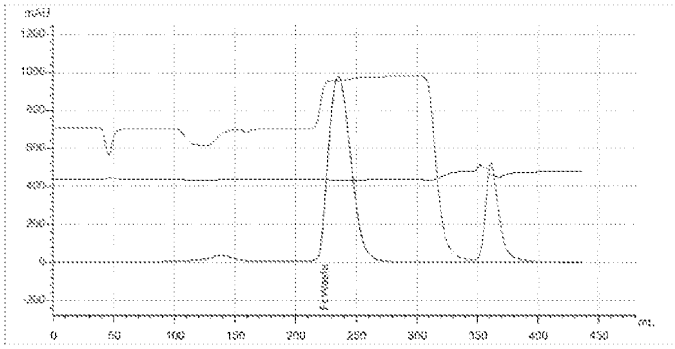


图 56

5

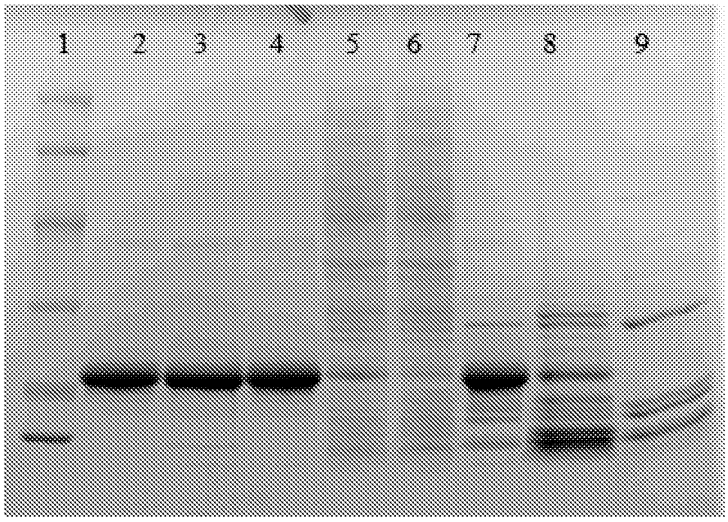

1
2
3
4
5
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8
9

图 57

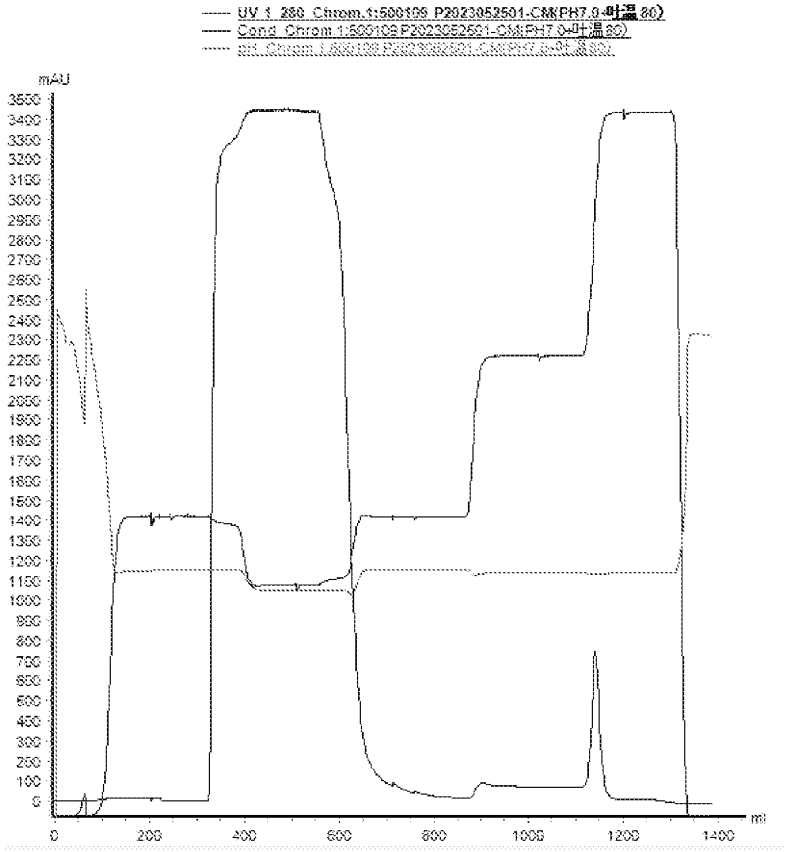

UV 1_280 Chrom.1:500109 P2023052501-CM(PH7.0-叶温 80)
Cond Chrom.1:500109 P2023052501-CM(PH7.0-叶温 80)
mAU
3500
3400
3300
3200
3100
3000
2900
2800
2700
2600
2500
2400
2300
2200
2100
2000
1900
1800
1700
1600
1500
1400
1300
1200
1100
1000
900
800
700
600
500
400
300
200
100
0
ml
0
200
400
600
800
1000
1200
1400

图 58

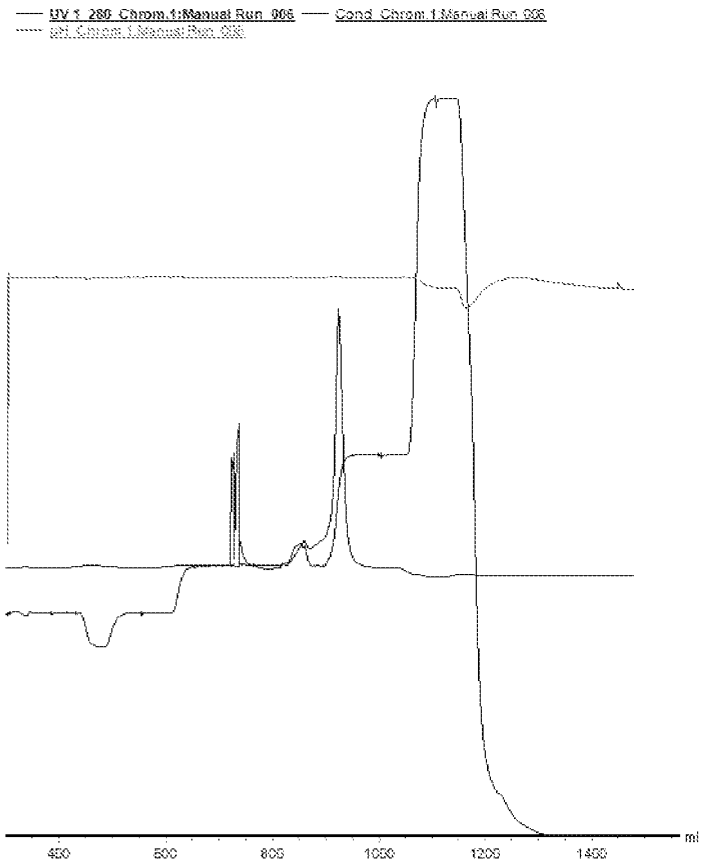

UV 1_280 Chrom.1:Manual Run_006
Cond Chrom.1:Manual Run_006
pH Chrom.1:Manual Run_006
450
500
800
1000
1200
1400
ml

图 59

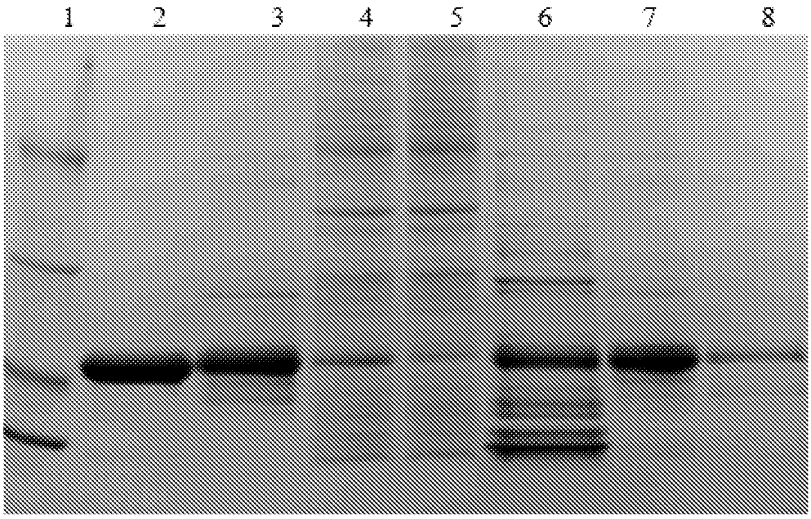

1
2
3
4
5
6
7
8

图 60

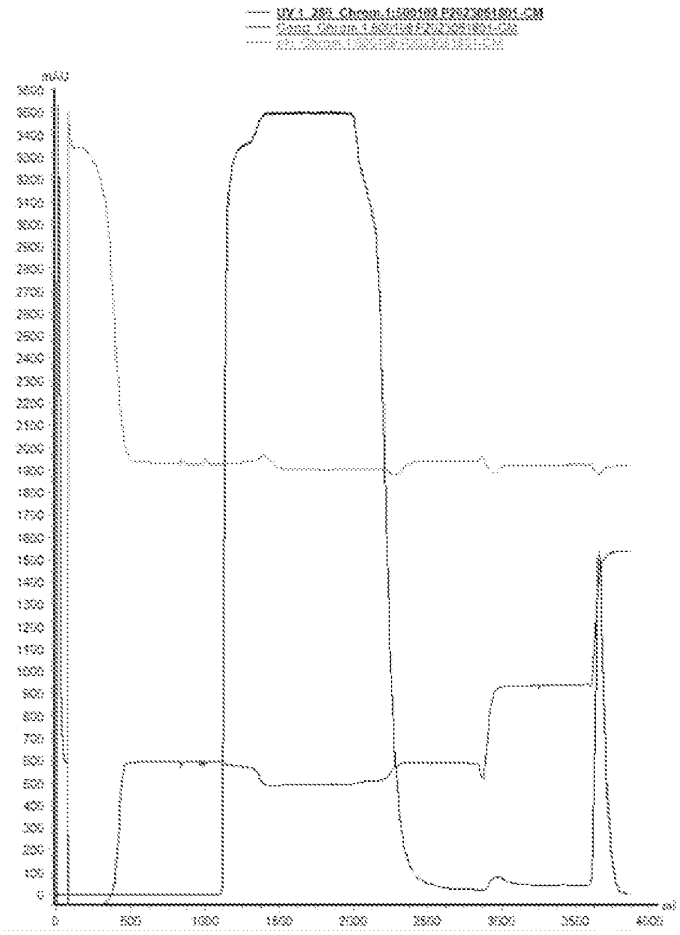


图 61

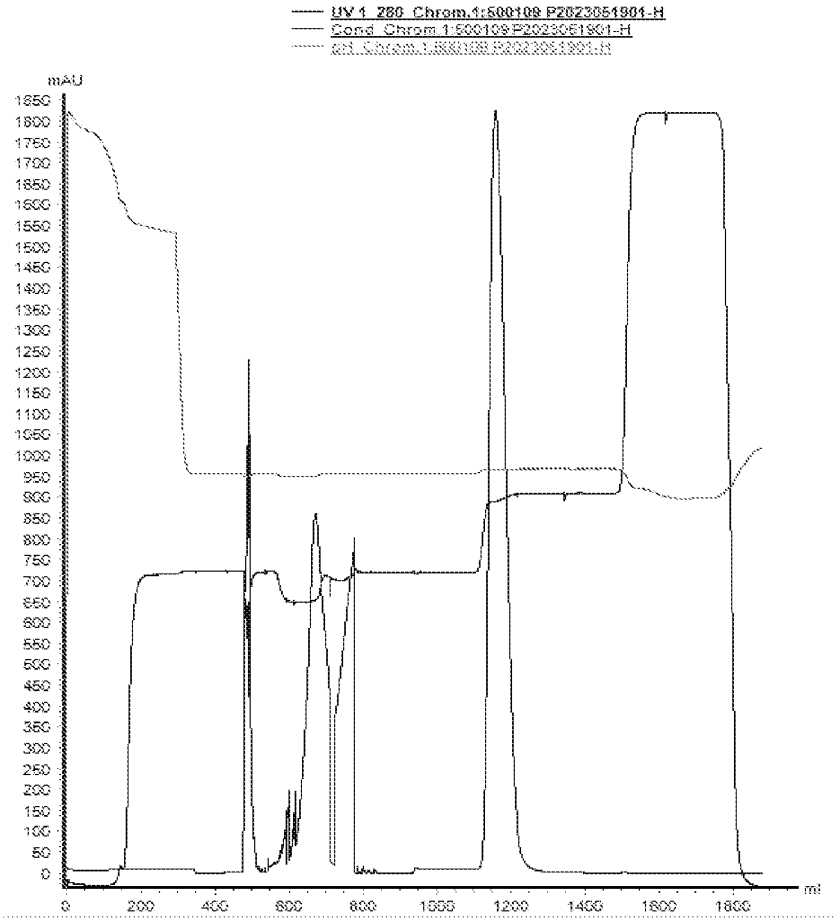

UV 1_280_Chrom.1:500109 P2023051901-H
Cond_Chrom.1:500109 P2023051901-H
mAU

图 62

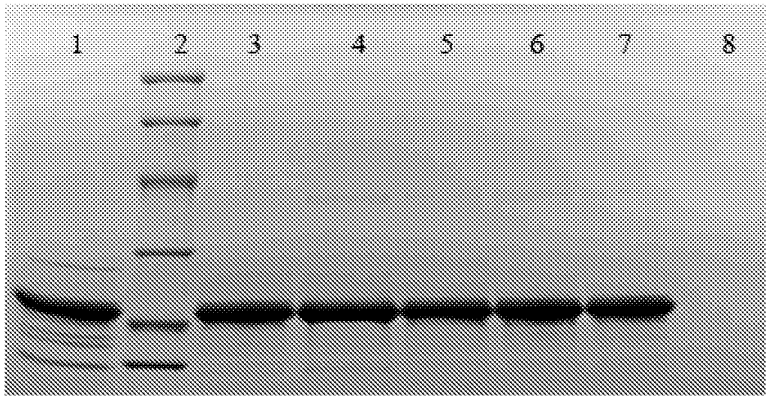

1
2
3
4
5
6
7
8

图 63

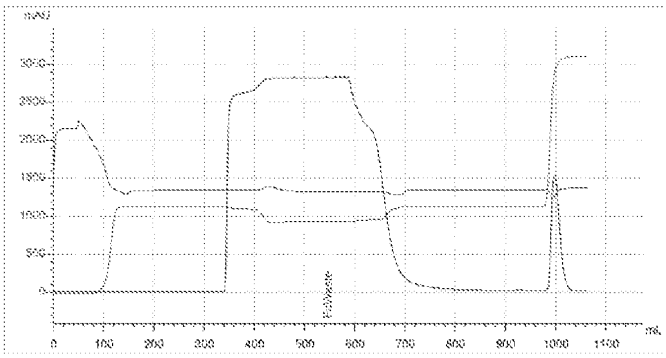


图 64

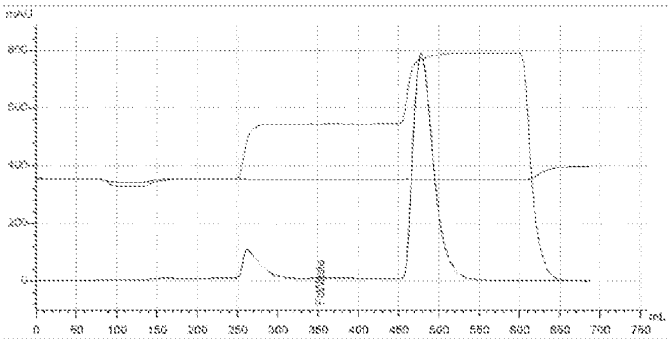


图 65

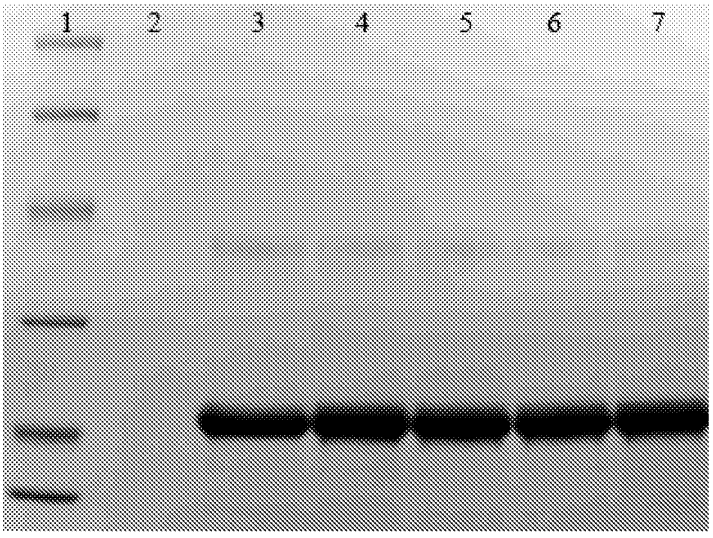


图 66

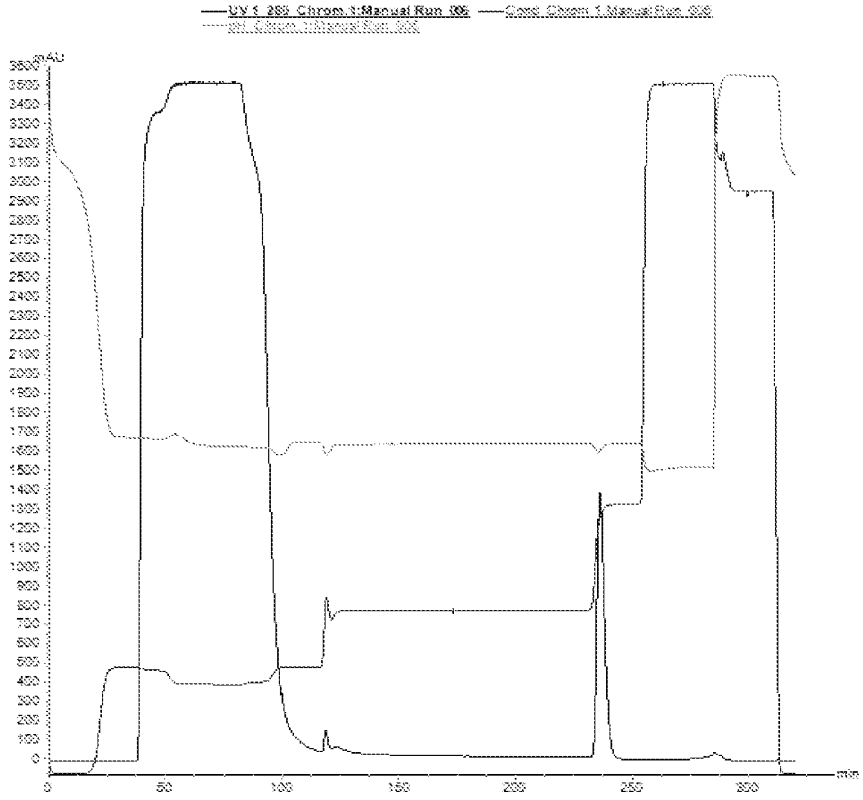


图 67

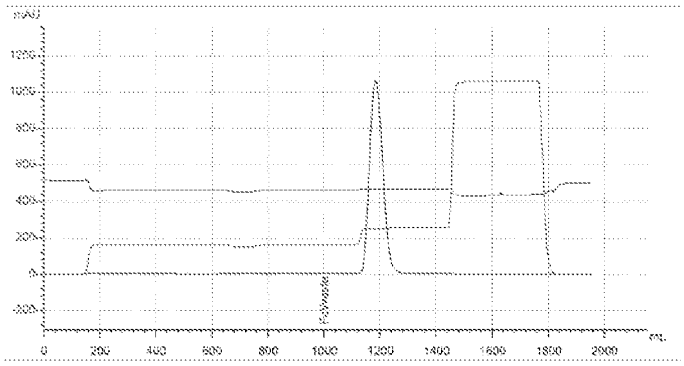


图 68

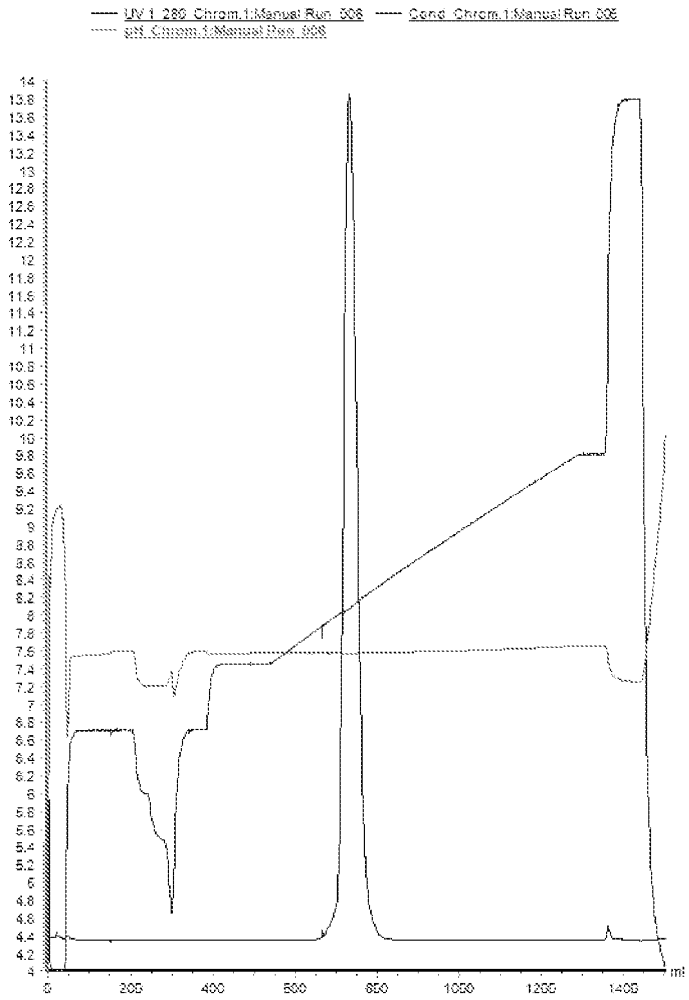

UV 1_280_Chrom.1:Manual Run_008
Cond_Chrom.1:Manual Run_008
pH_Chrom.1:Manual Run_008
ml

图 69

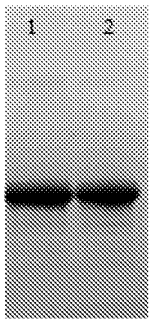

1
2

图 70

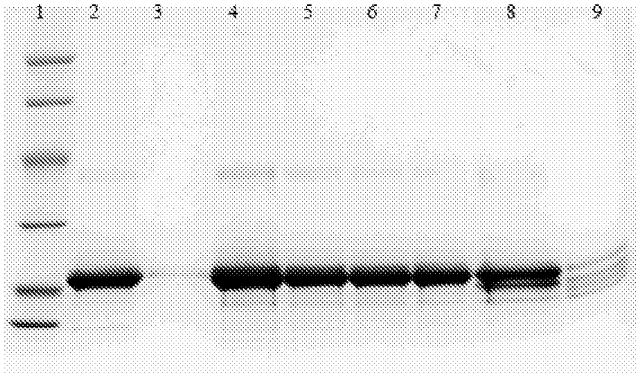


图 71

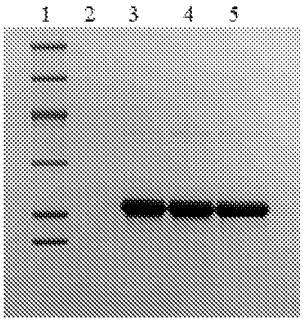


图 72



图 73