Figure 1

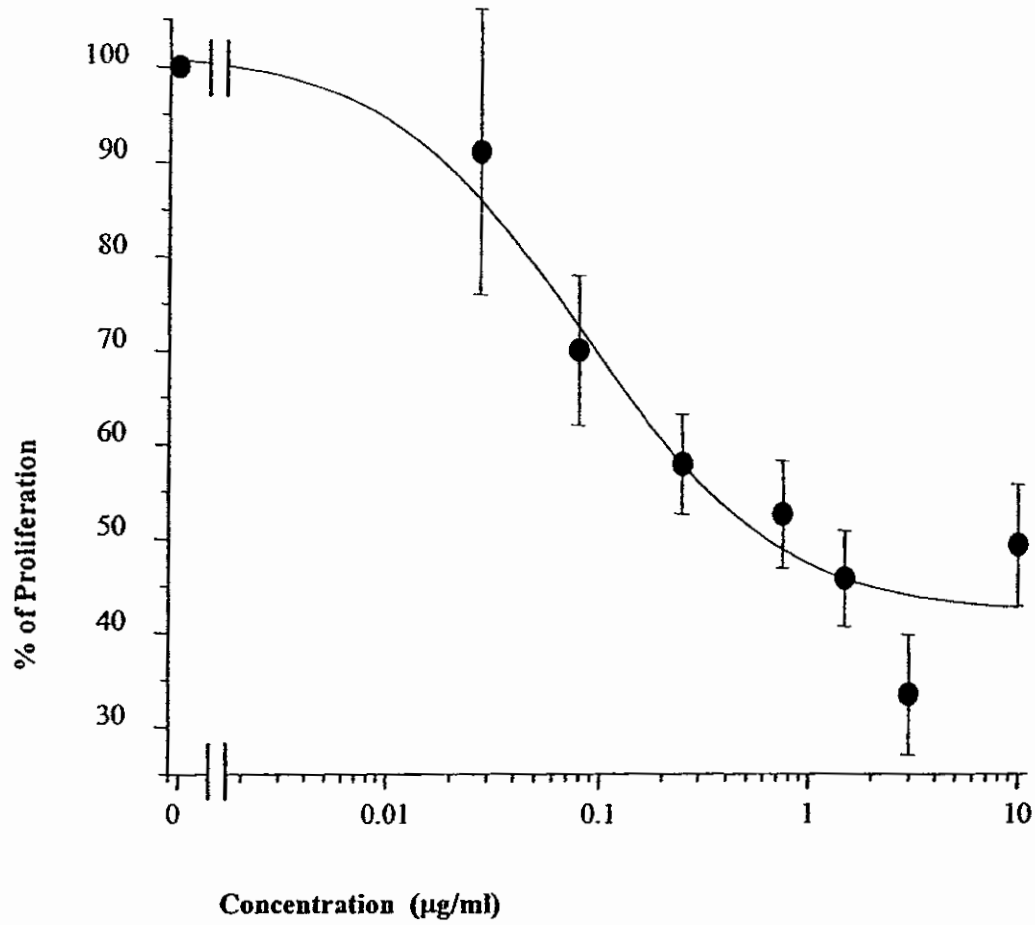

100
90
80
70
60
50
40
30
% of Proliferation
0
0.01
0.1
1
10
Concentration (µg/ml)

Figure 2

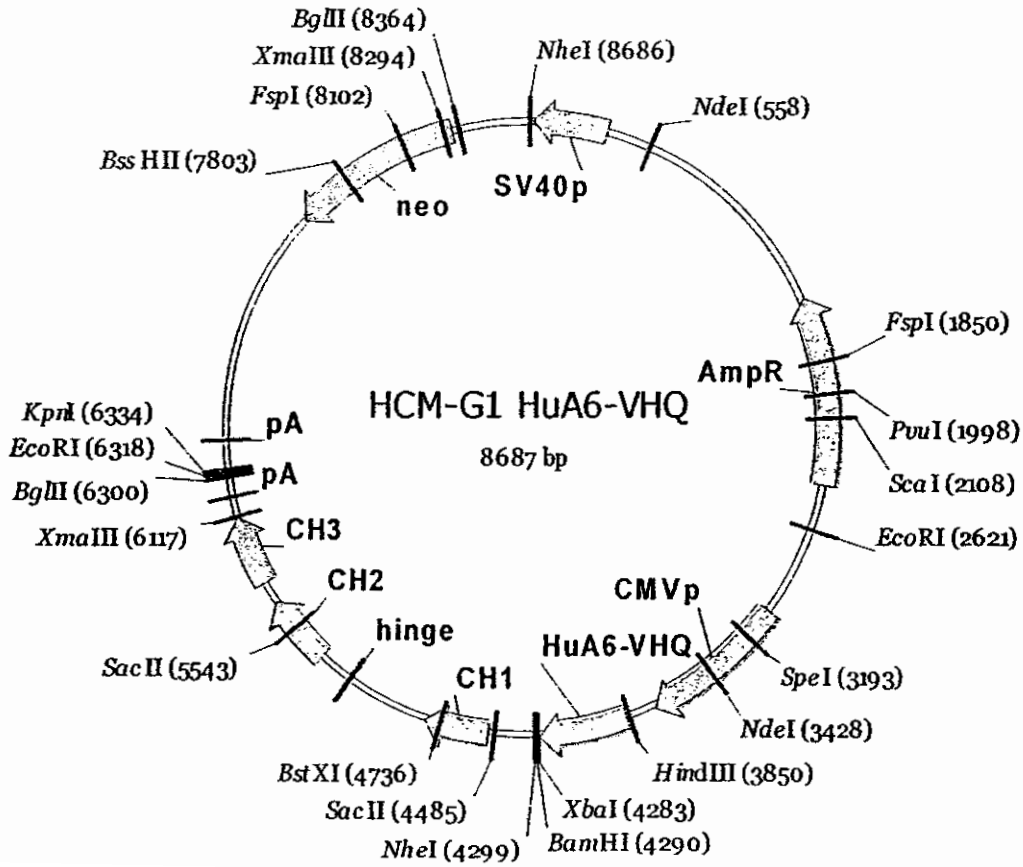

BglII (8364)
XmaIII (8294)
FspI (8102)
Bss HII (7803)
neo
NheI (8686)
SV40p
NdeI (558)
FspI (1850)
AmpR
PvuI (1998)
ScaI (2108)
EcoRI (2621)
CMVp
HuA6-VHQ
SpeI (3193)
NdeI (3428)
HindIII (3850)
XbaI (4283)
BamHI (4290)
NheI (4299)
SacII (4485)
BstXI (4736)
CH1
hinge
CH2
SacII (5543)
CH3
XmaIII (6117)
BglII (6300)
pA
EcoRI (6318)
pA
KpnI (6334)
HCM-G1 HuA6-VHQ
8687 bp

Figure 3

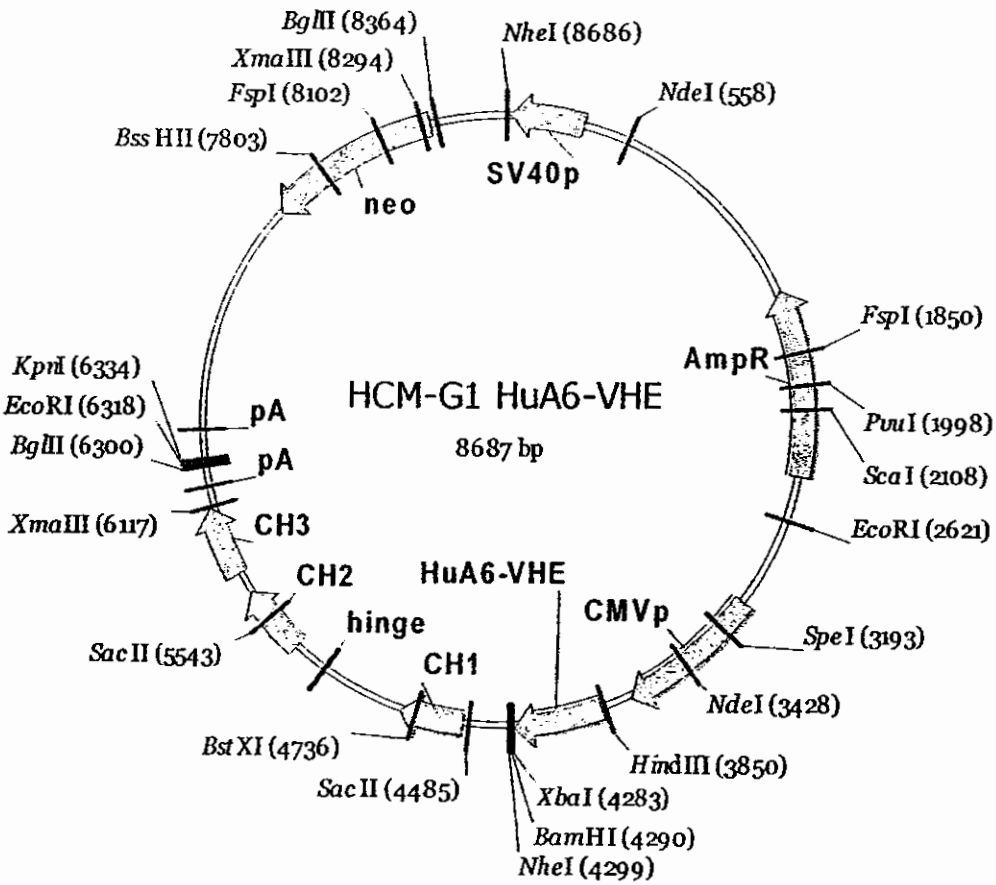

HCM-G1 HuA6-VHE
8687 bp
BglII (8364)
XmaIII (8294)
FspI (8102)
Bss HII (7803)
NheI (8686)
NdeI (558)
SV40p
neo
FspI (1850)
AmpR
PuuI (1998)
ScaI (2108)
EcoRI (2621)
CMVp
SpeI (3193)
NdeI (3428)
HindIII (3850)
XbaI (4283)
BamHI (4290)
NheI (4299)
HuA6-VHE
CH1
hinge
CH2
CH3
pA
pA
KpnI (6334)
EcoRI (6318)
BglII (6300)
XmaIII (6117)
SacII (5543)
BstXI (4736)
SacII (4485)

Figure 4

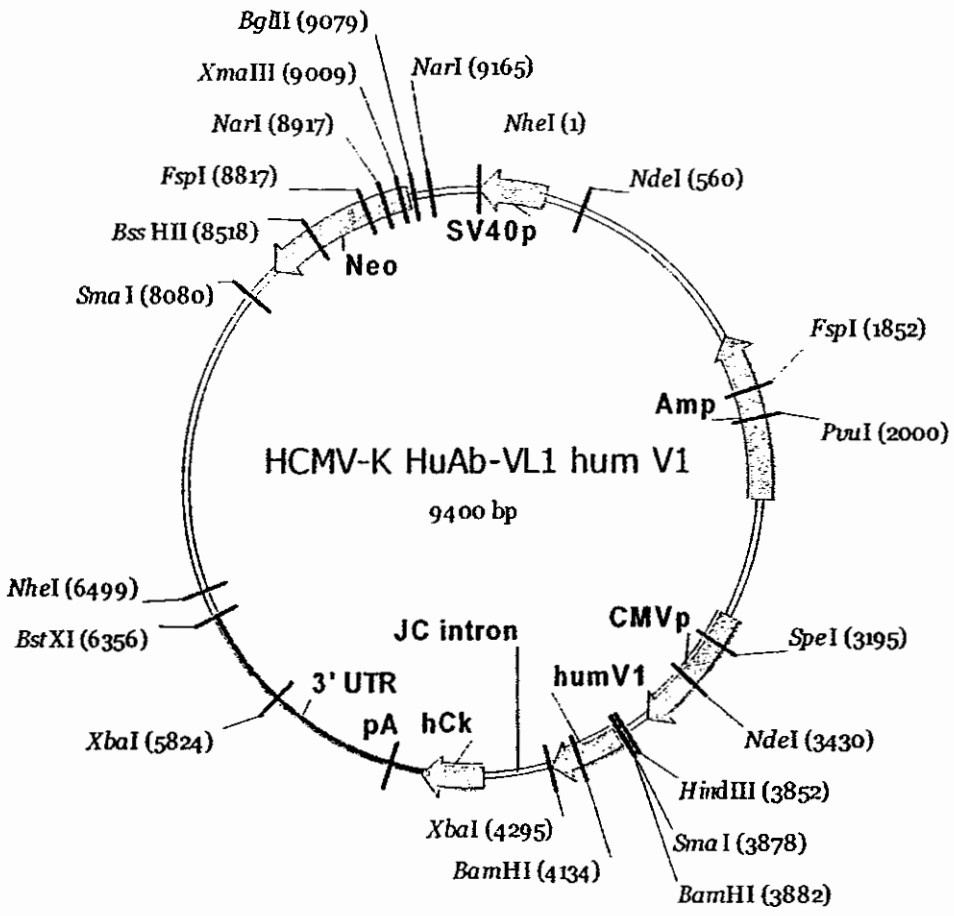

BglII (9079)
XmaIII (9009)
NarI (9165)
NarI (8917)
NheI (1)
FspI (8817)
NdeI (560)
Bss HII (8518)
SV40p
Neo
SmaI (8080)
FspI (1852)
Amp
PvuI (2000)
HCMV-K HuAb-VL1 hum V1
9400 bp
NheI (6499)
CMVp
BstXI (6356)
JC intron
SpeI (3195)
humV1
3' UTR
pA
hCk
XbaI (5824)
NdeI (3430)
HindIII (3852)
XbaI (4295)
SmaI (3878)
BamHI (4134)
BamHI (3882)

Figure 5

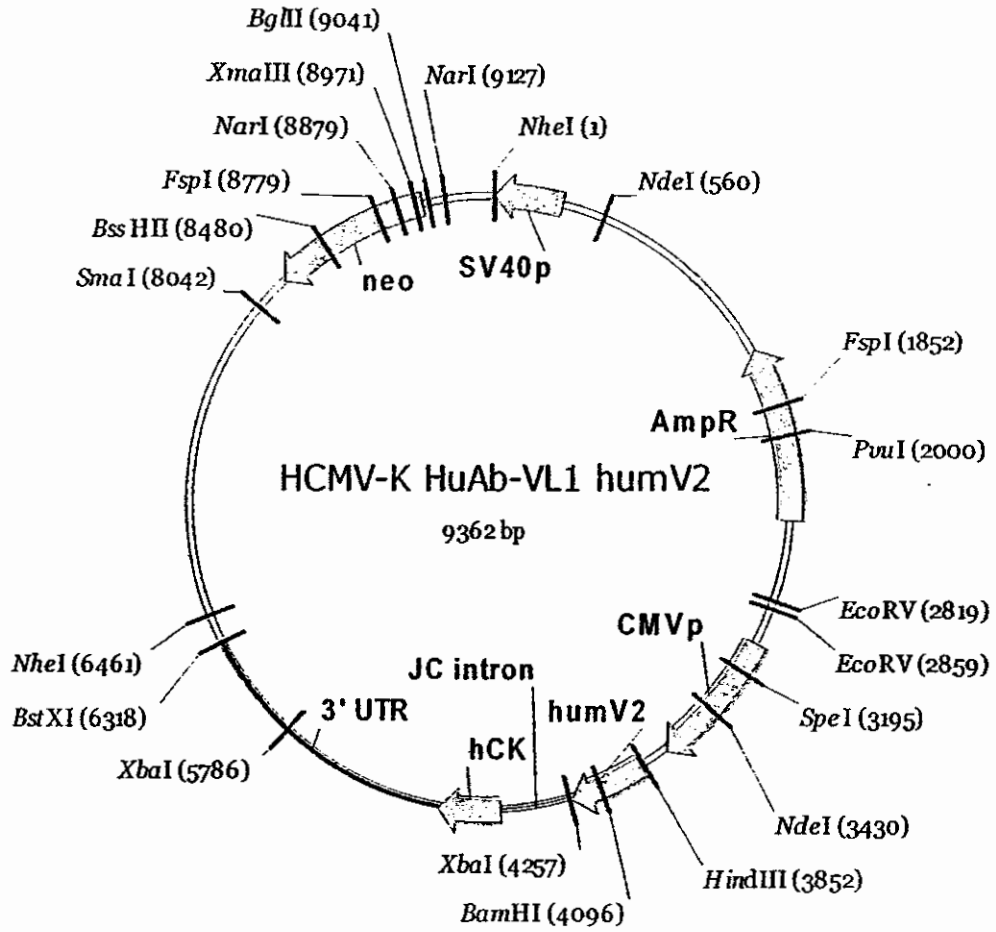

BglII (9041)
XmaIII (8971)
NarI (9127)
NarI (8879)
NheI (1)
FspI (8779)
NdeI (560)
BssHII (8480)
SmaI (8042)
neo
SV40p
FspI (1852)
AmpR
PvuI (2000)
HCMV-K HuAb-VL1 humV2
9362 bp
EcoRV (2819)
CMVp
EcoRV (2859)
NheI (6461)
JC intron
BstXI (6318)
3' UTR
humV2
SpeI (3195)
XbaI (5786)
hCK
NdeI (3430)
XbaI (4257)
HindIII (3852)
BamHI (4096)

Figure 6

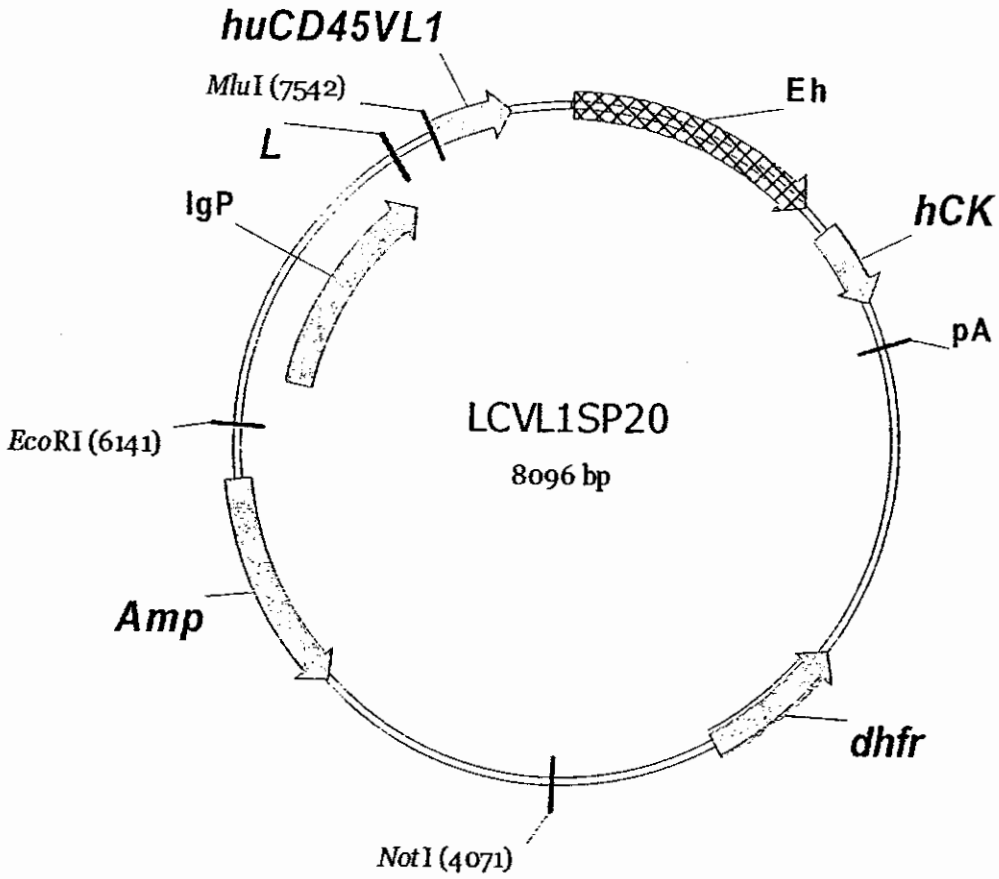

huCD45VL1
MluI (7542)
L
Eh
hCK
IgP
pA
LCVL1SP20
8096 bp
EcoRI (6141)
Amp
dhfr
NotI (4071)

Figure 7

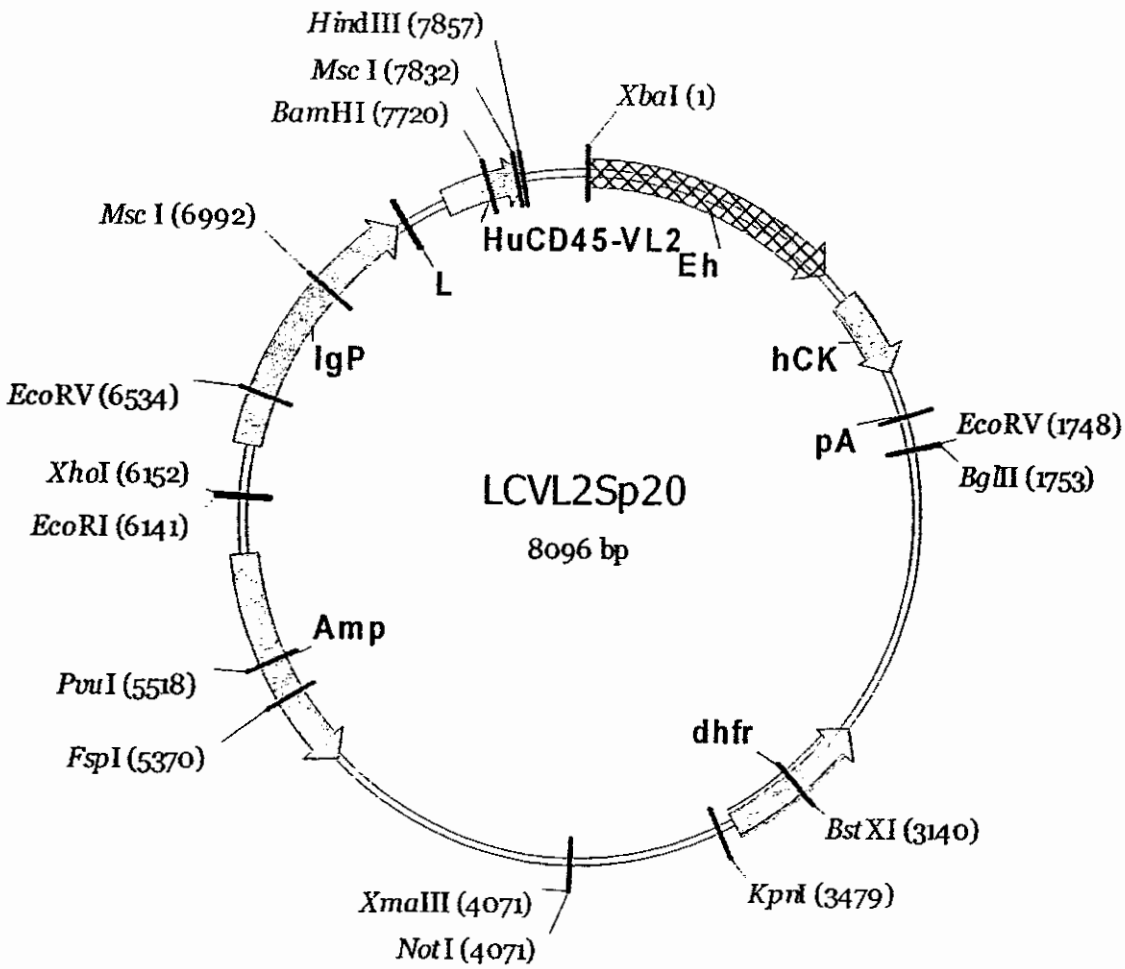

HindIII (7857)
Msc I (7832)
BamHI (7720)
XbaI (1)
Msc I (6992)
HuCD45-VL2
L
Eh
IgP
hCK
EcoRV (6534)
pA
EcoRV (1748)
XhoI (6152)
BglII (1753)
LCVL2Sp20
EcoRI (6141)
8096 bp
Amp
PvuI (5518)
dhfr
FspI (5370)
BstXI (3140)
XmaIII (4071)
KpnI (3479)
NotI (4071)

Figure 8

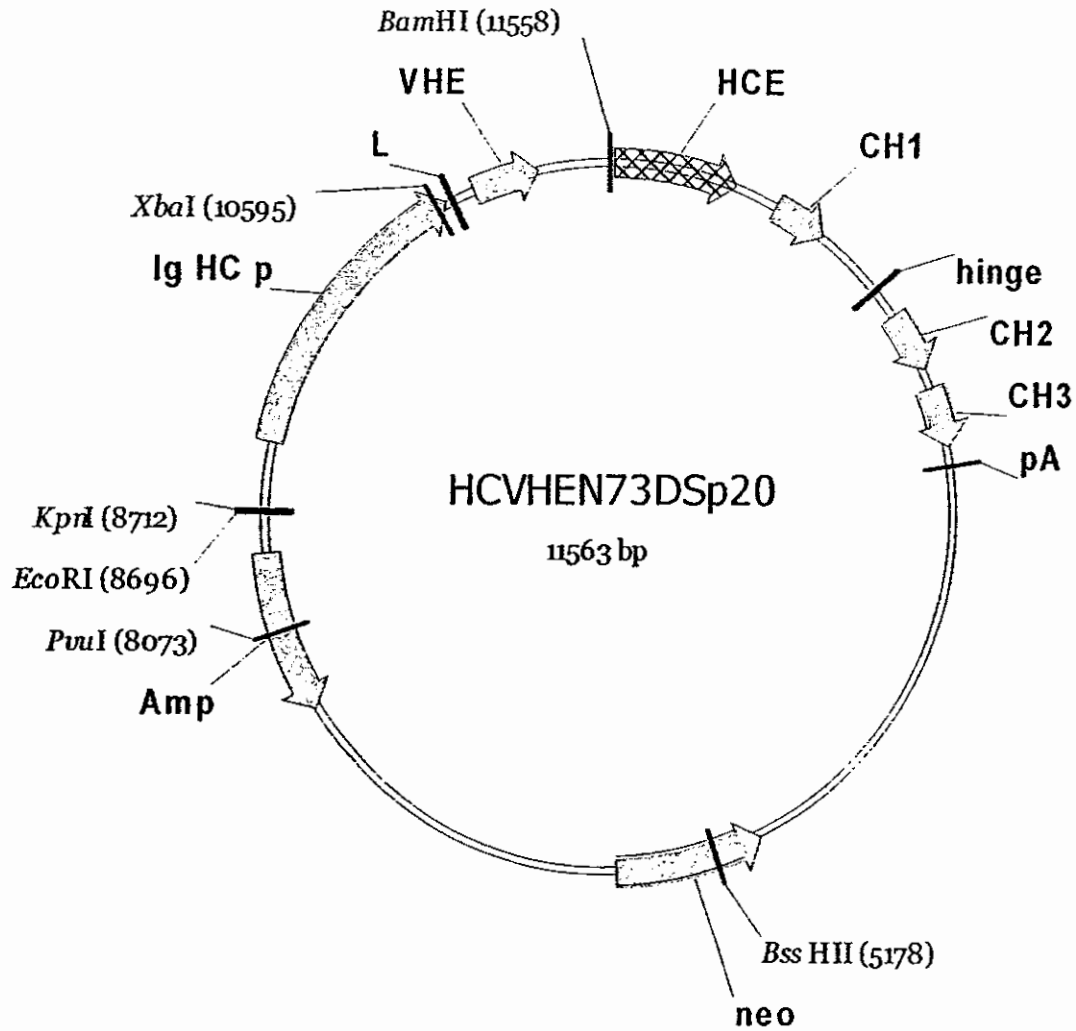

BamHI (11558)
VHE
HCE
L
CH1
XbaI (10595)
Ig HC p
hinge
CH2
CH3
pA
HCVHEN73DSp20
11563 bp
KpnI (8712)
EcoRI (8696)
PvuI (8073)
Amp
Bss HII (5178)
neo

Figure 9

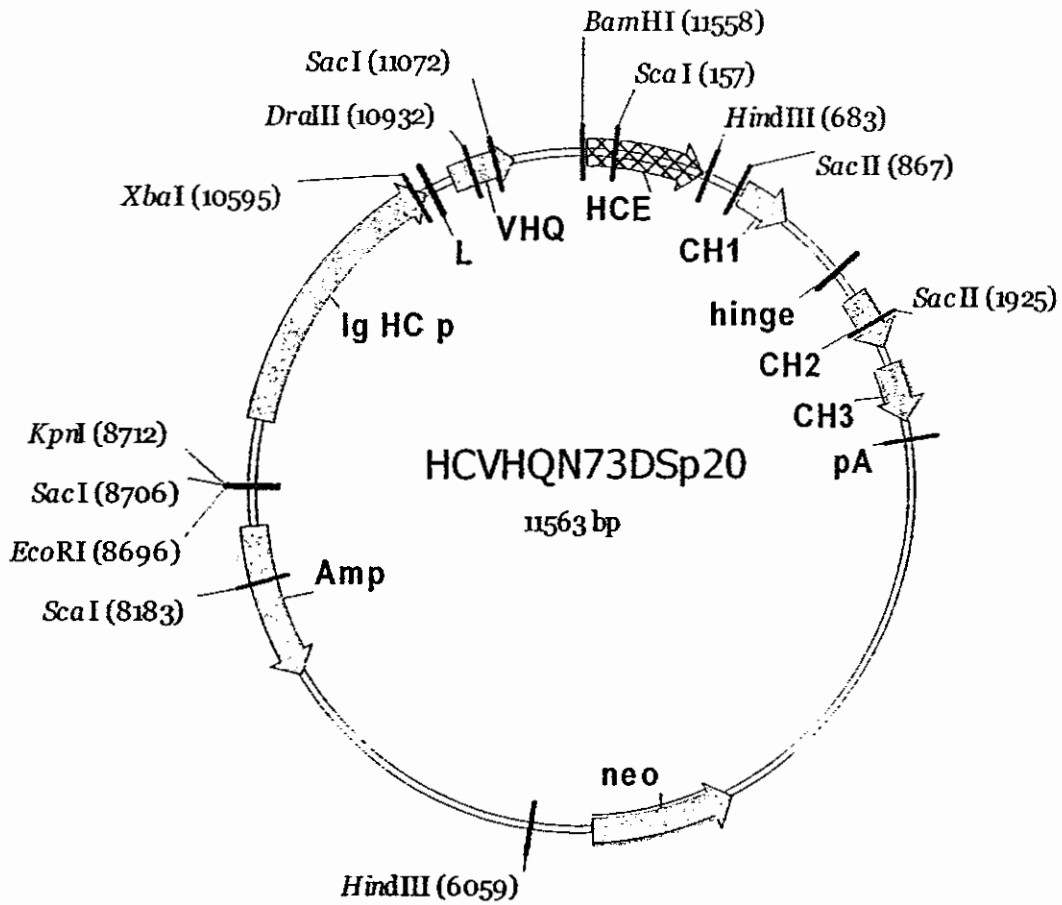

BamHI (11558)
SacI (11072)
ScaI (157)
DraIII (10932)
HindIII (683)
SacII (867)
XbaI (10595)
L
VHQ
HCE
CH1
hinge
SacII (1925)
Ig HC p
CH2
CH3
KpnI (8712)
HCVHQN73DSp20
pA
SacI (8706)
11563 bp
EcoRI (8696)
Amp
ScaI (8183)
neo
HindIII (6059)

Figure 10

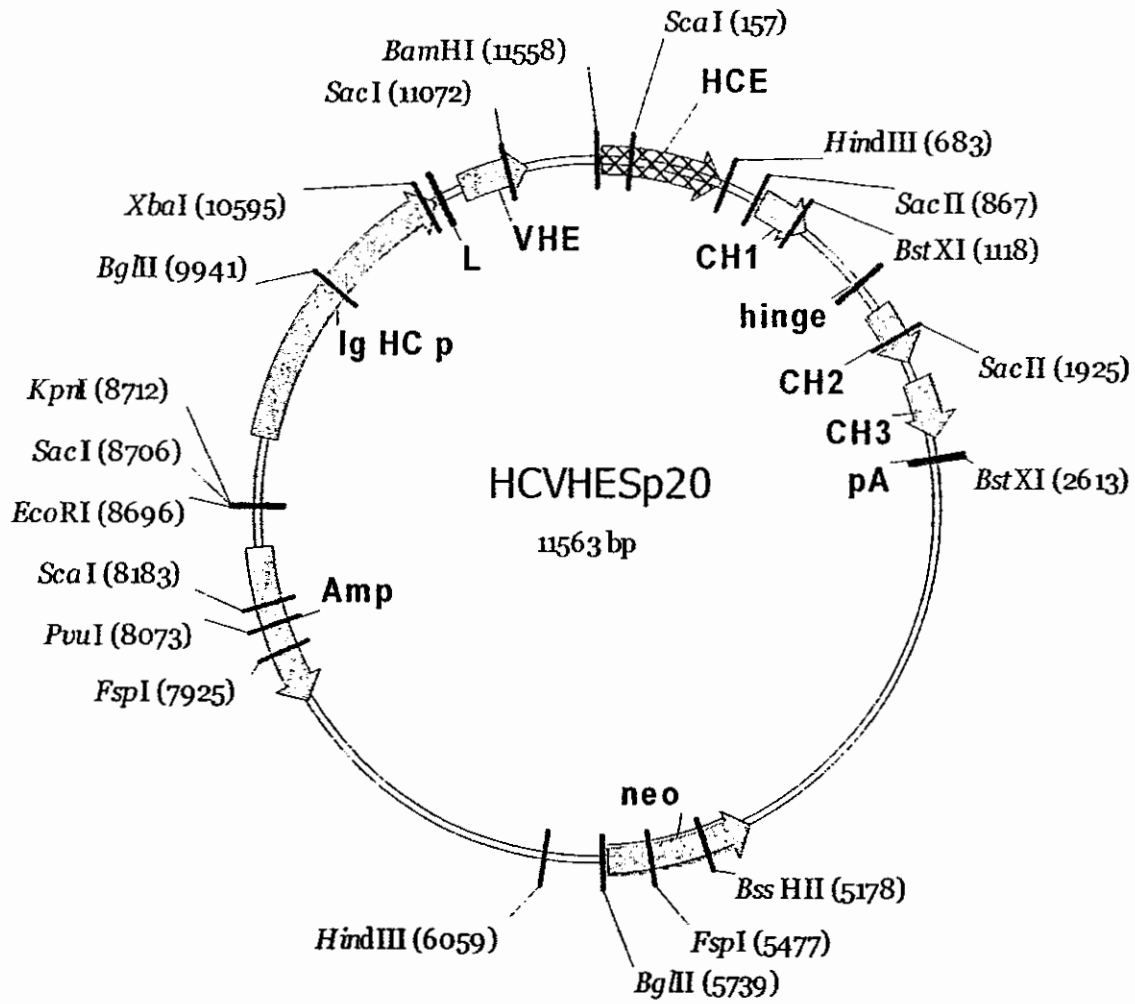

ScaI (157)
BamHI (11558)
SacI (11072)
HCE
HindIII (683)
XbaI (10595)
SacII (867)
VHE
L
CH1
BstXI (1118)
BglII (9941)
hinge
Ig HC p
SacII (1925)
CH2
KpnI (8712)
CH3
SacI (8706)
HCVHESp20
pA
BstXI (2613)
EcoRI (8696)
11563 bp
ScaI (8183)
Amp
PvuI (8073)
FspI (7925)
neo
Bss HII (5178)
HindIII (6059)
FspI (5477)
BglII (5739)

Figure 11

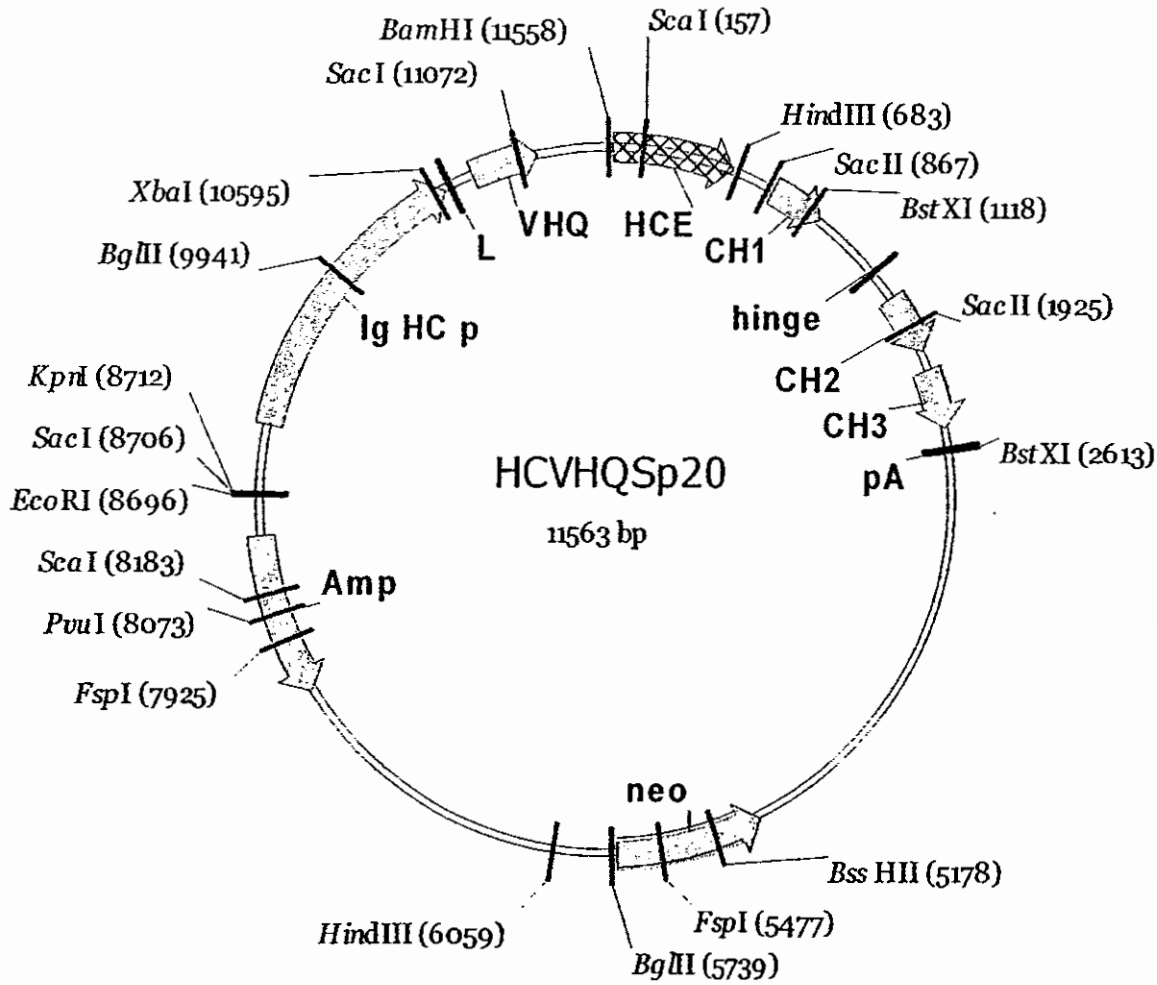

BamHI (11558)
ScaI (157)
SacI (11072)
HindIII (683)
SacII (867)
XbaI (10595)
BstXI (1118)
VHQ
HCE
L
CH1
BglII (9941)
hinge
SacII (1925)
Ig HC p
CH2
KpnI (8712)
CH3
SacI (8706)
HCVHQSp20
BstXI (2613)
pA
EcoRI (8696)
11563 bp
ScaI (8183)
Amp
PvuI (8073)
FspI (7925)
neo
Bss HII (5178)
FspI (5477)
HindIII (6059)
BglII (5739)

Figure 12

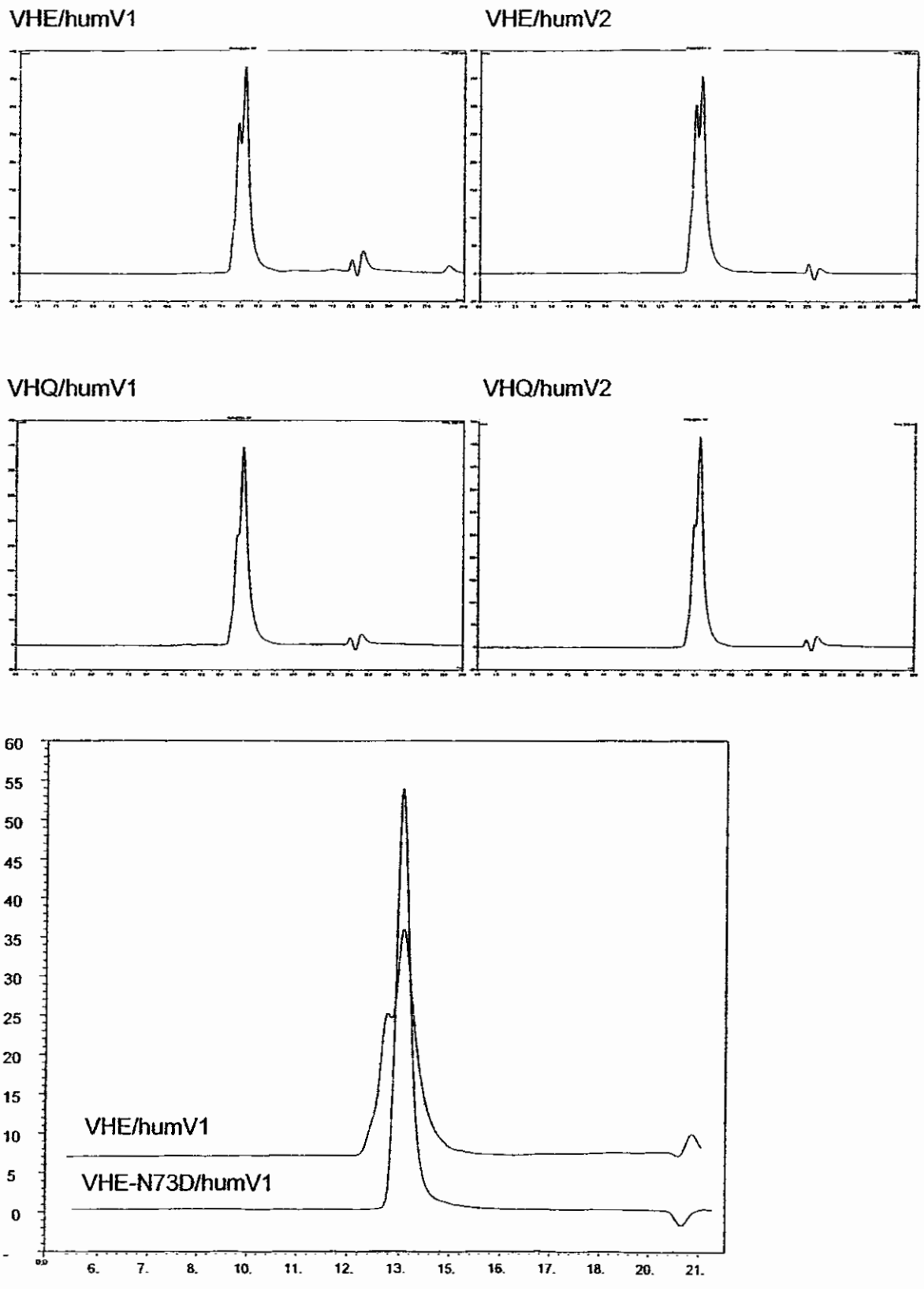
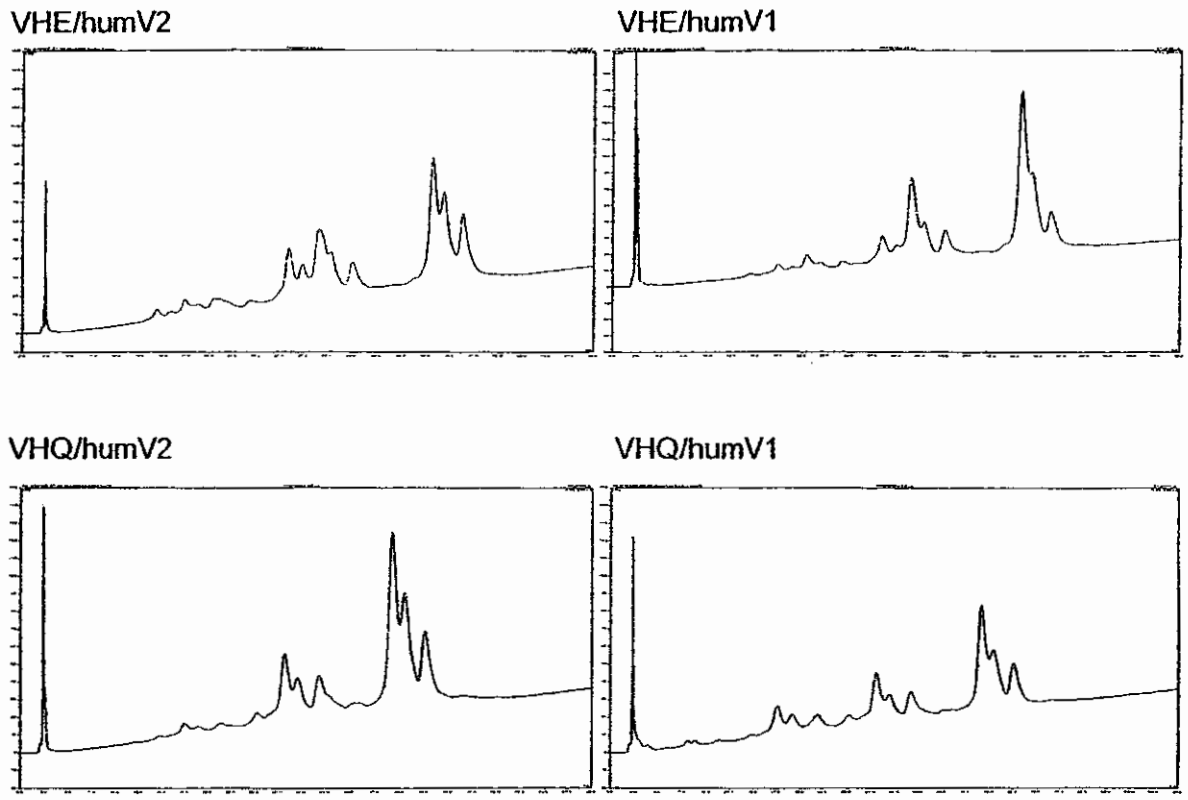

VHE/humV1
VHE/humV2
VHQ/humV1
VHQ/humV2
60
55
50
45
40
35
30
25
20
15
10
5
0
VHE/humV1
VHE-N73D/humV1
6.
7.
8.
10.
11.
12.
13.
15.
16.
17.
18.
20.
21.

Figure 13


VHE/humV2
VHE/humV1
VHQ/humV2
VHQ/humV1

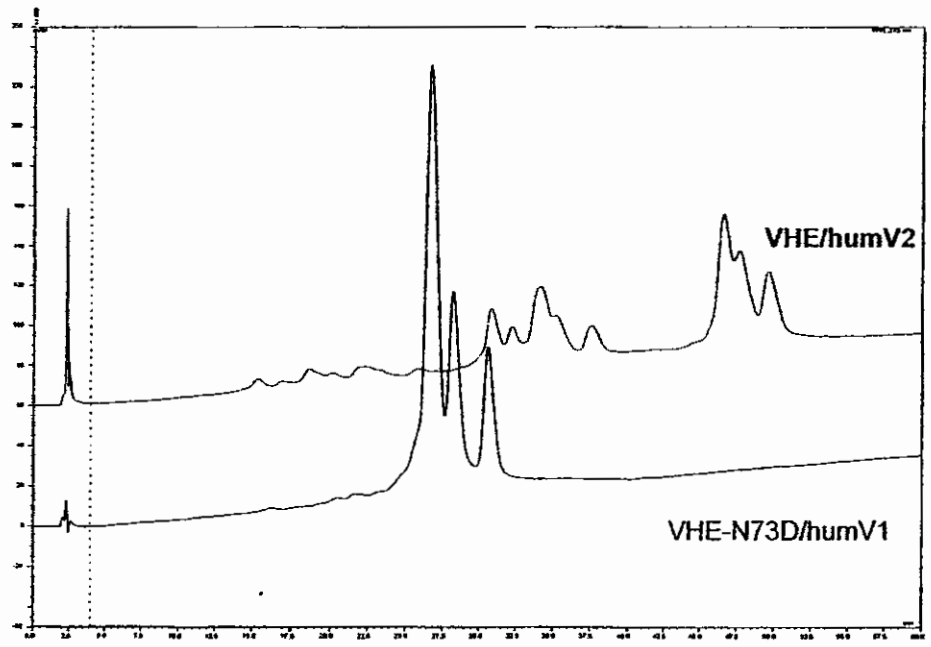

VHE/humV2
VHE-N73D/humV1

Figure 14

