Figure 1

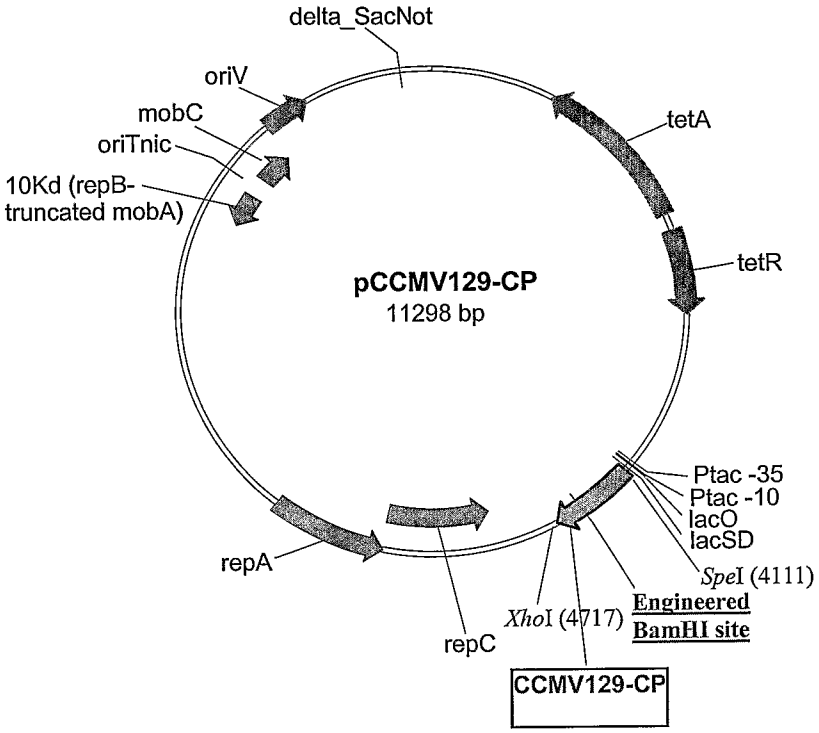

delta_SacNot
oriV
mobC
oriTnic
10Kd (repB-truncated mobA)
tetA
tetR
pCCMV129-CP
11298 bp
Ptac -35
Ptac -10
lacO
lacSD
SpeI (4111)
Engineered BamHI site
XhoI (4717)
repA
repC
CCMV129-CP

Figure 2

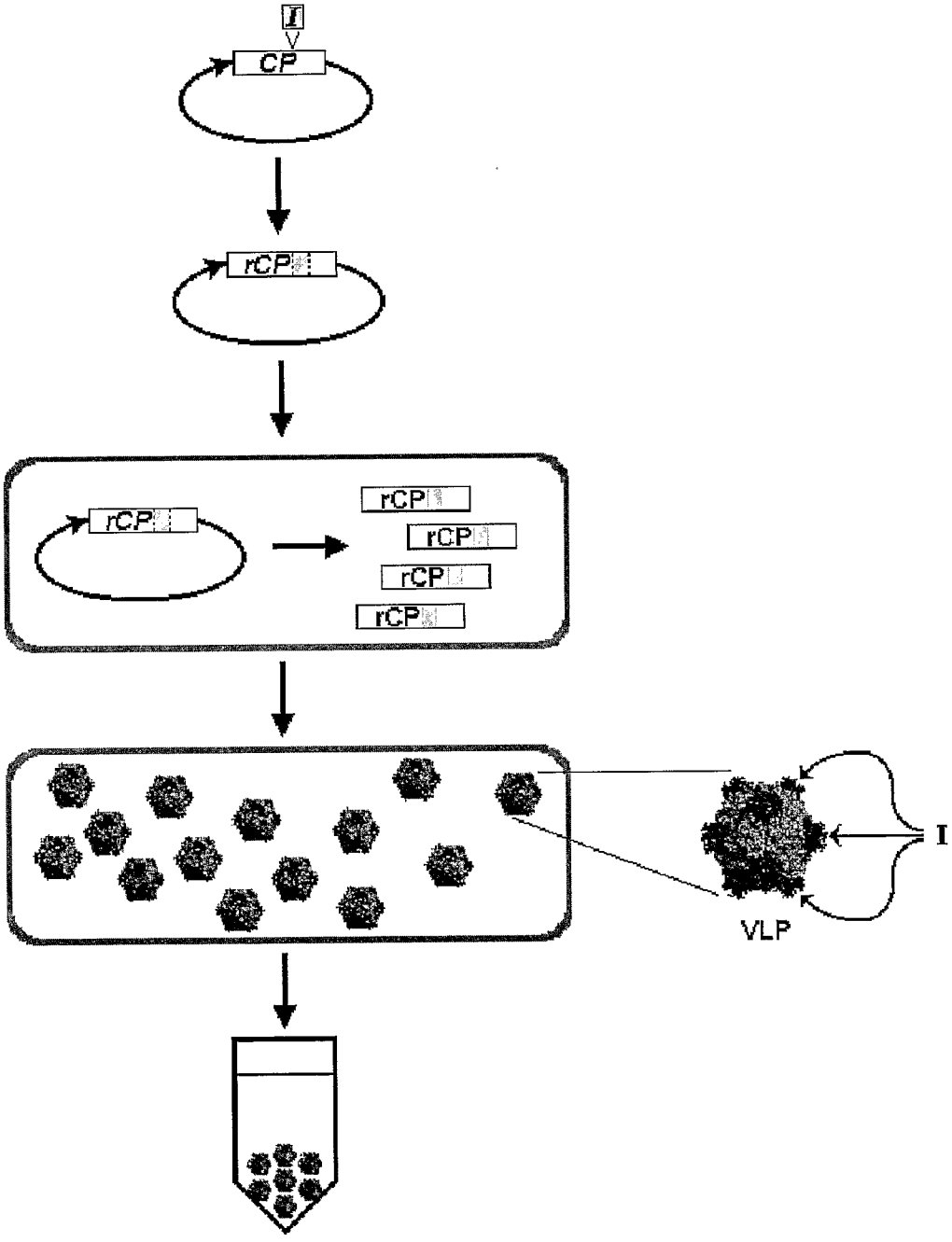


Figure 3

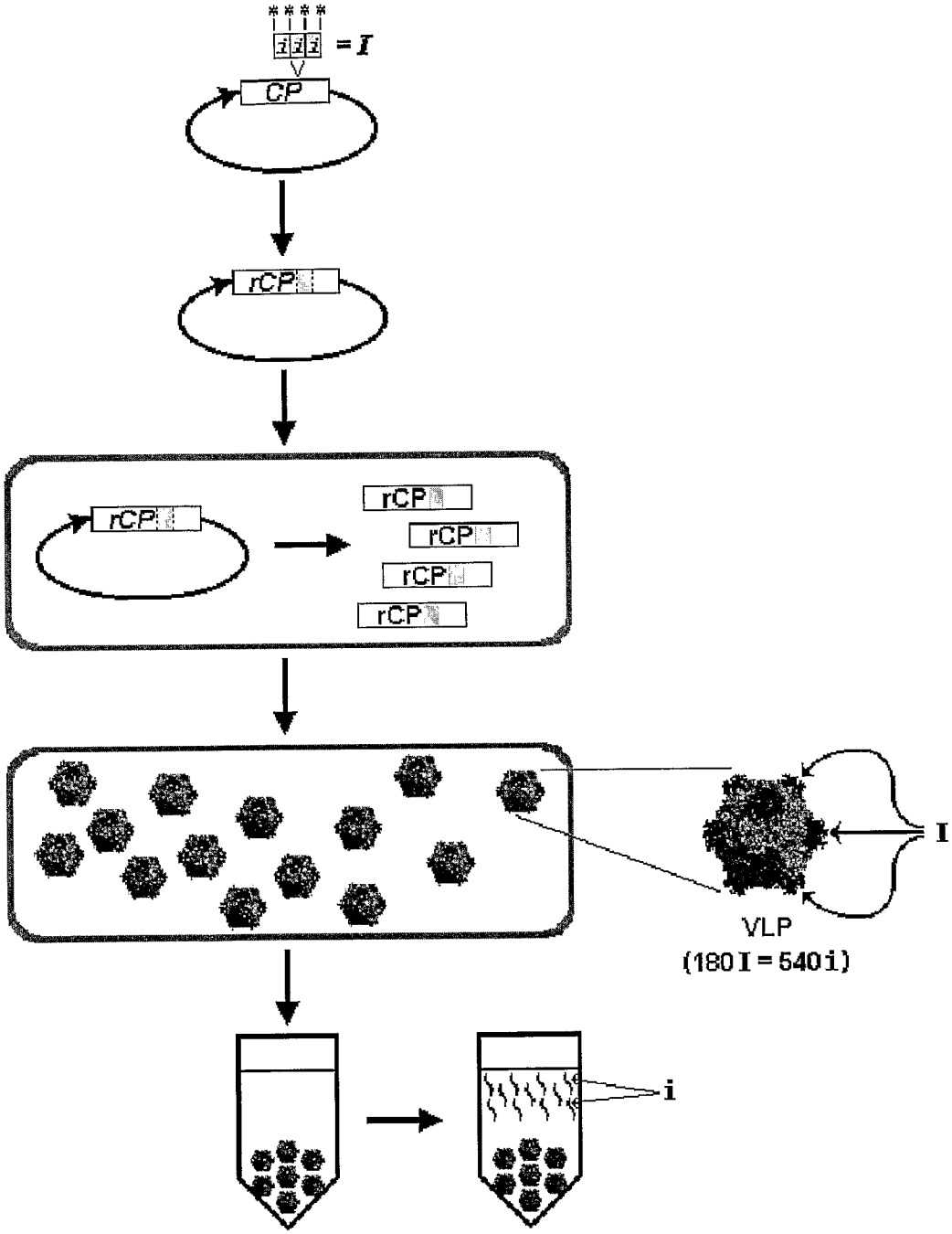


Figure 4

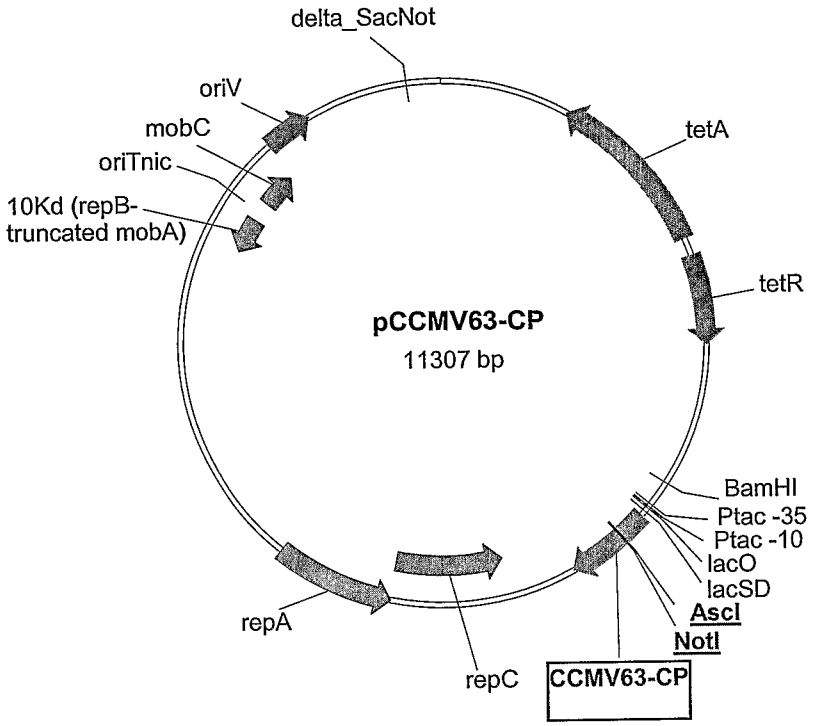

delta_SacNot
oriV
mobC
oriTnic
10Kd (repB-truncated mobA)
tetA
tetR
pCCMV63-CP
11307 bp
BamHI
Ptac -35
Ptac -10
lacO
lacSD
AscI
NotI
repA
repC
CCMV63-CP

Figure 5

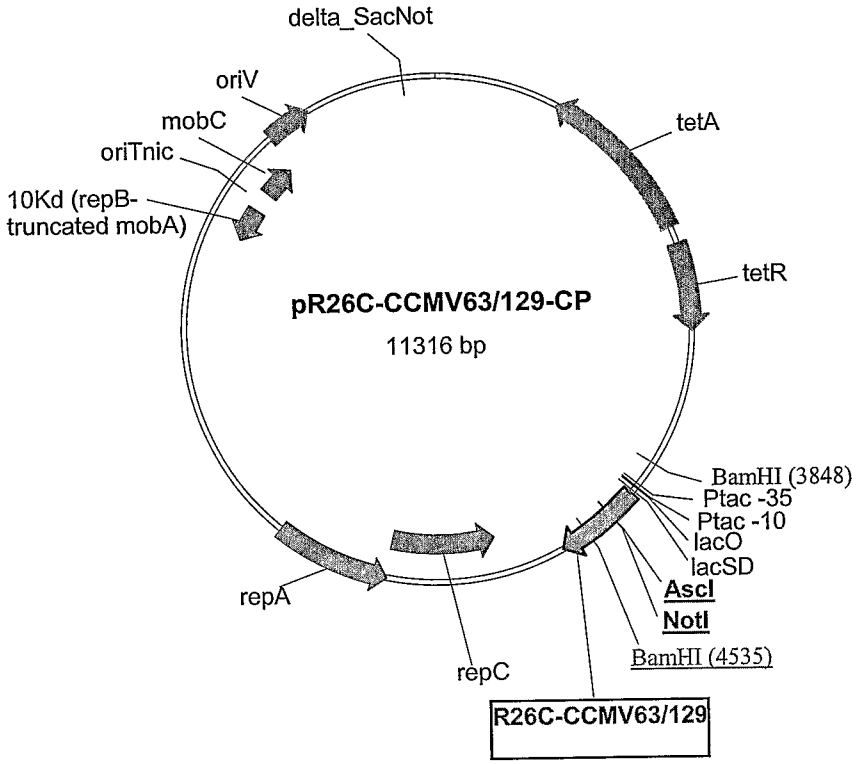

delta_SacNot
oriV
mobC
oriTnic
10Kd (repB-truncated mobA)
tetA
tetR
pR26C-CCMV63/129-CP
11316 bp
BamHI (3848)
Ptac -35
Ptac -10
lacO
lacSD
AscI
NotI
BamHI (4535)
repA
repC
R26C-CCMV63/129

Figure 6

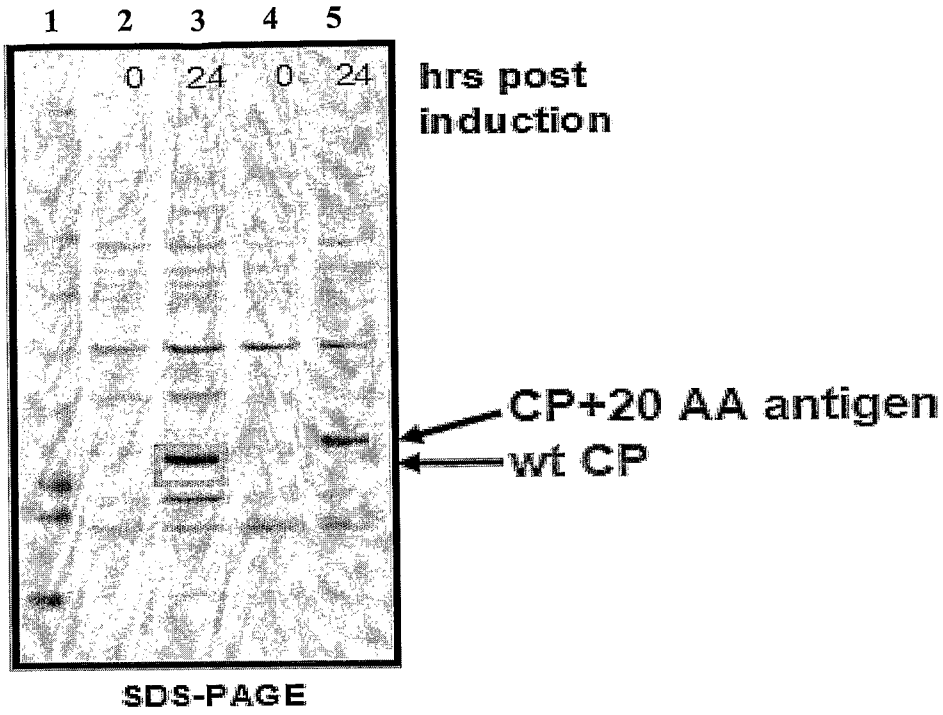

1 2 3 4 5
0 24 0 24
hrs post induction
CP+20 AA antigen
wt CP
SDS-PAGE

Figure 7

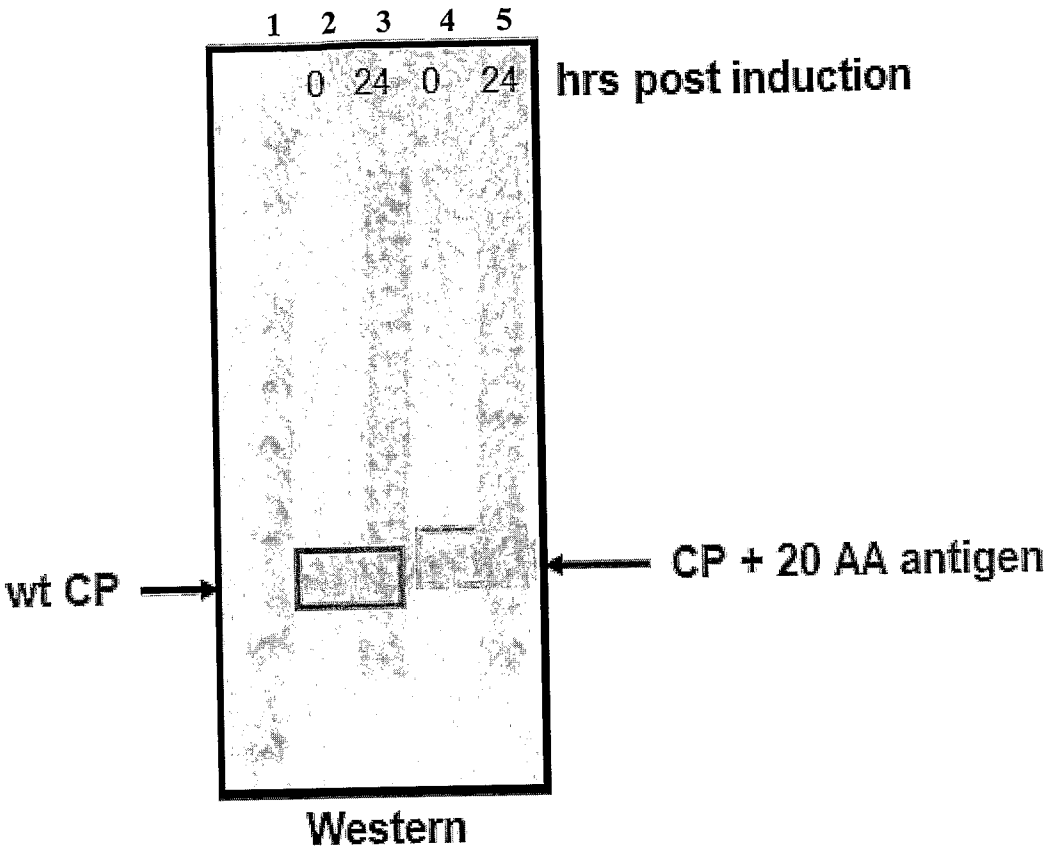

1 2 3 4 5
0 24 0 24
hrs post induction
wt CP
CP + 20 AA antigen
Western

Figure 8

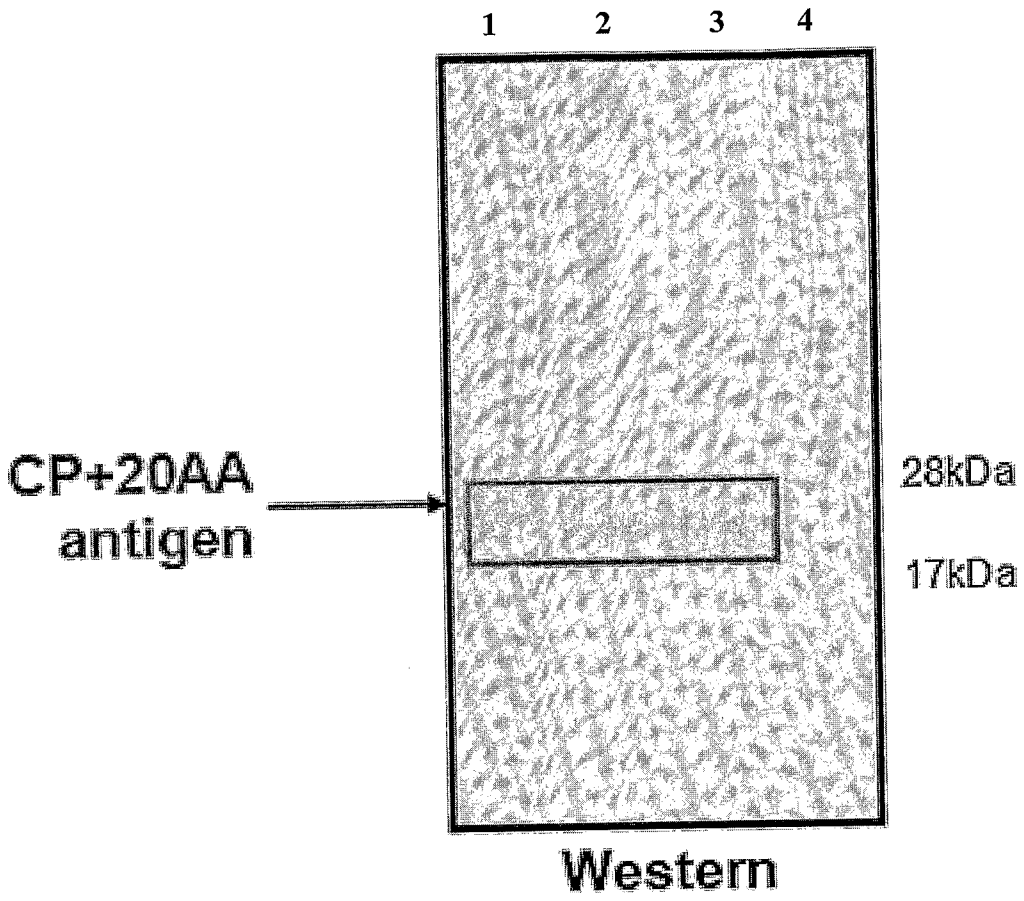
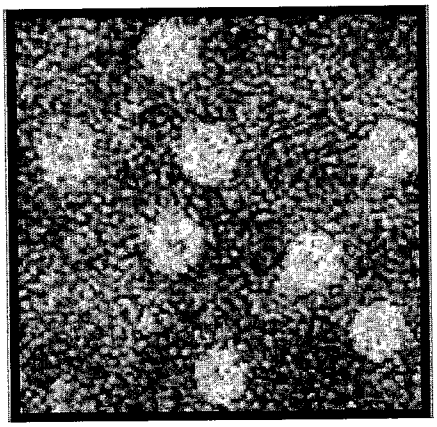


Figure 9



VLPs+20 AA antigens

Electron microscopy

Figure 10

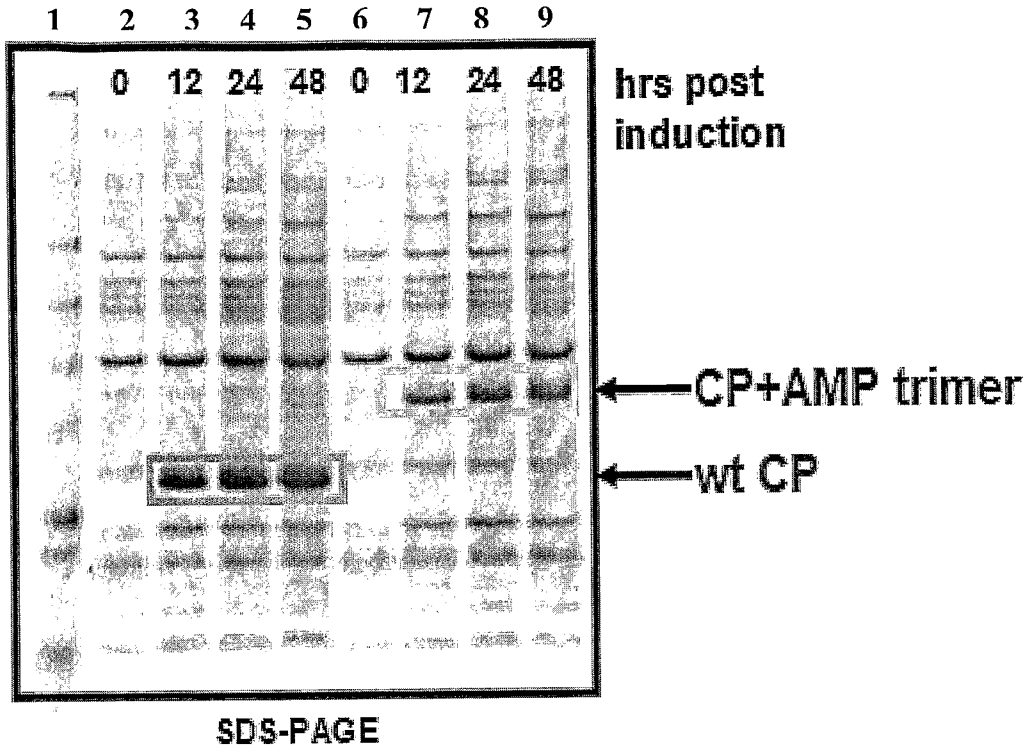

1 2 3 4 5 6 7 8 9
0 12 24 48 0 12 24 48
hrs post induction
CP+AMP trimer
wt CP
SDS-PAGE

Figure 11

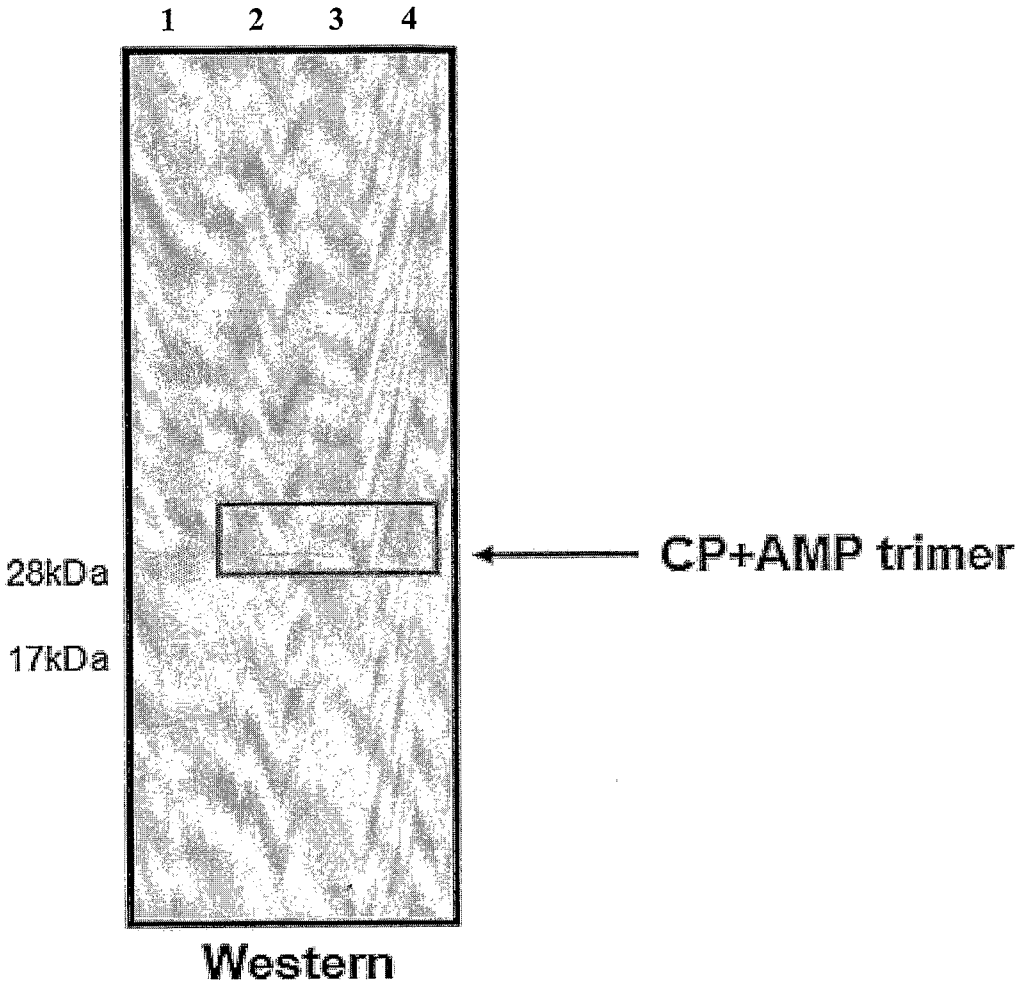


Figure 12

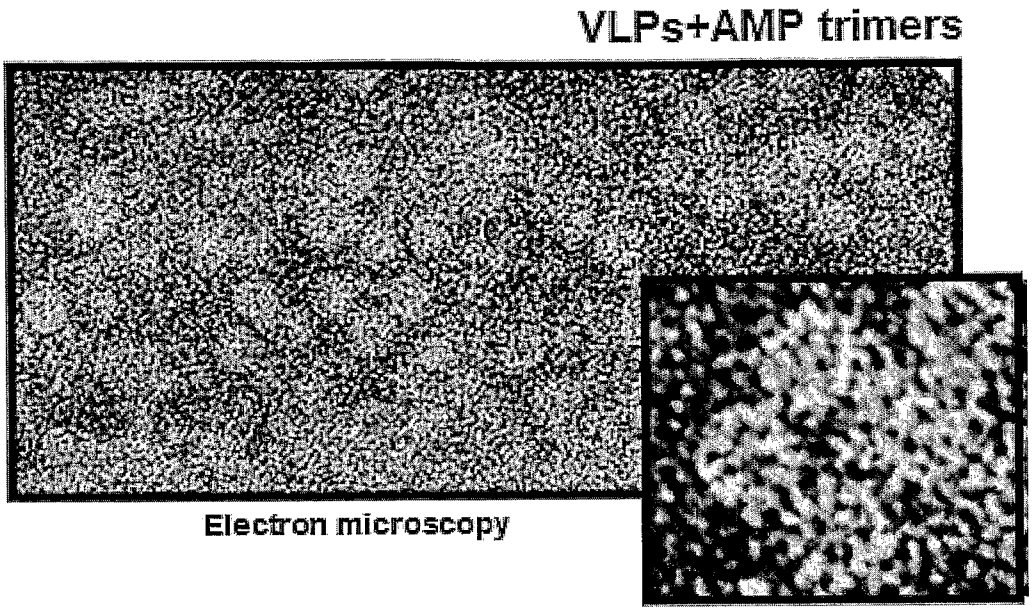


Figure 13

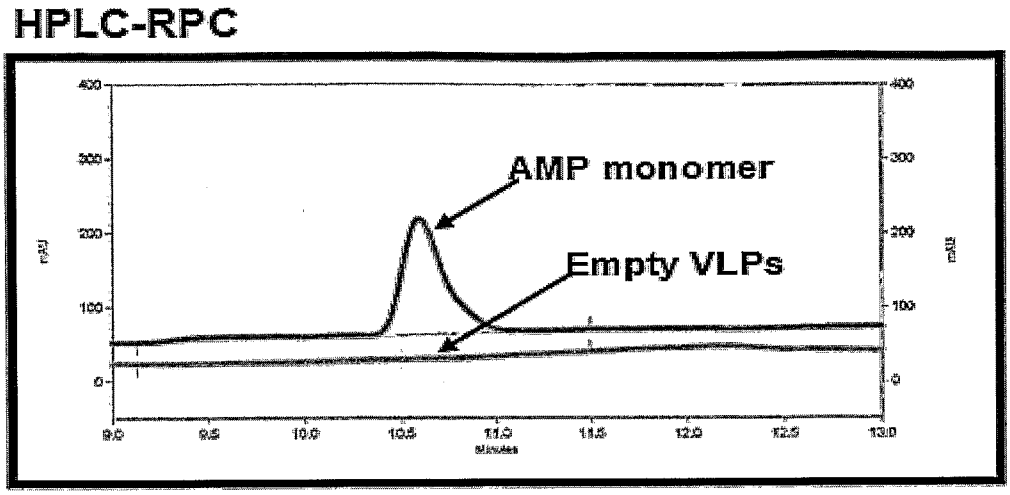

HPLC-RPC
AMP monomer
Empty VLPs
mAU
400
300
200
100
0
9.0
9.5
10.0
10.5
11.0
11.5
12.0
12.5
13.0
Minutes

Figure 14

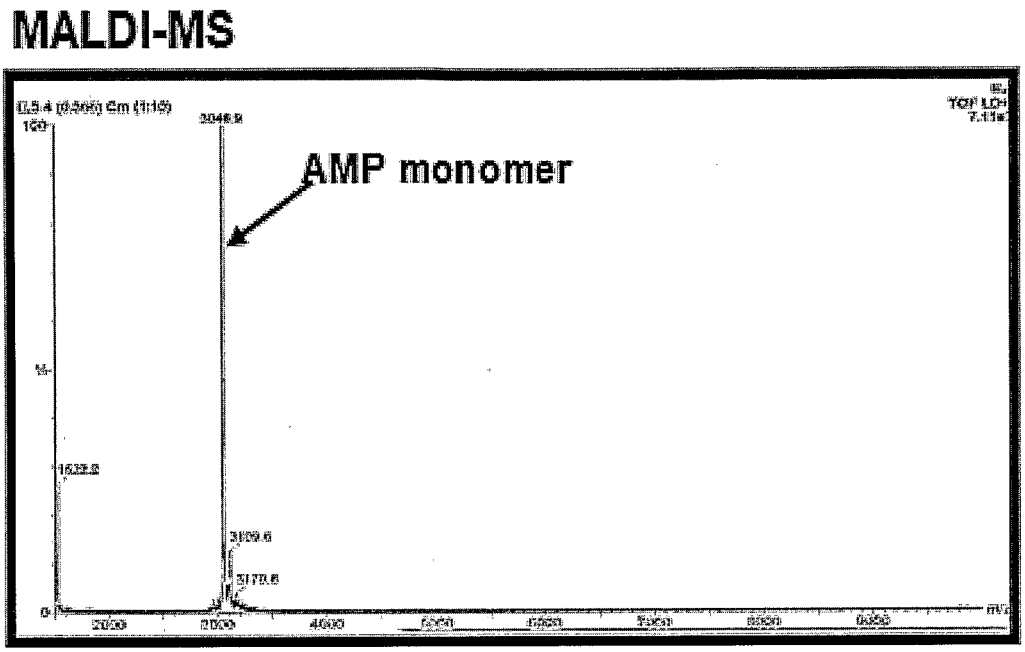


Figure 15

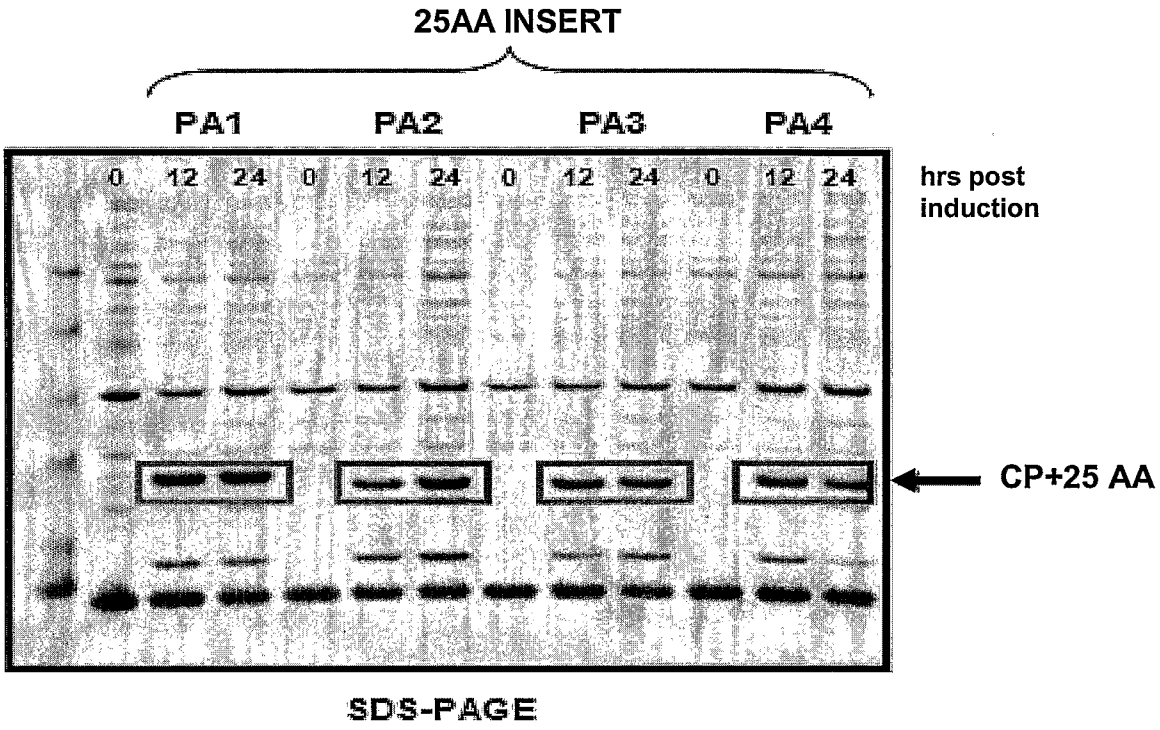

25AA INSERT
PA1
PA2
PA3
PA4
0 12 24 0 12 24 0 12 24 0 12 24
hrs post induction
CP+25 AA
SDS-PAGE

Figure 16

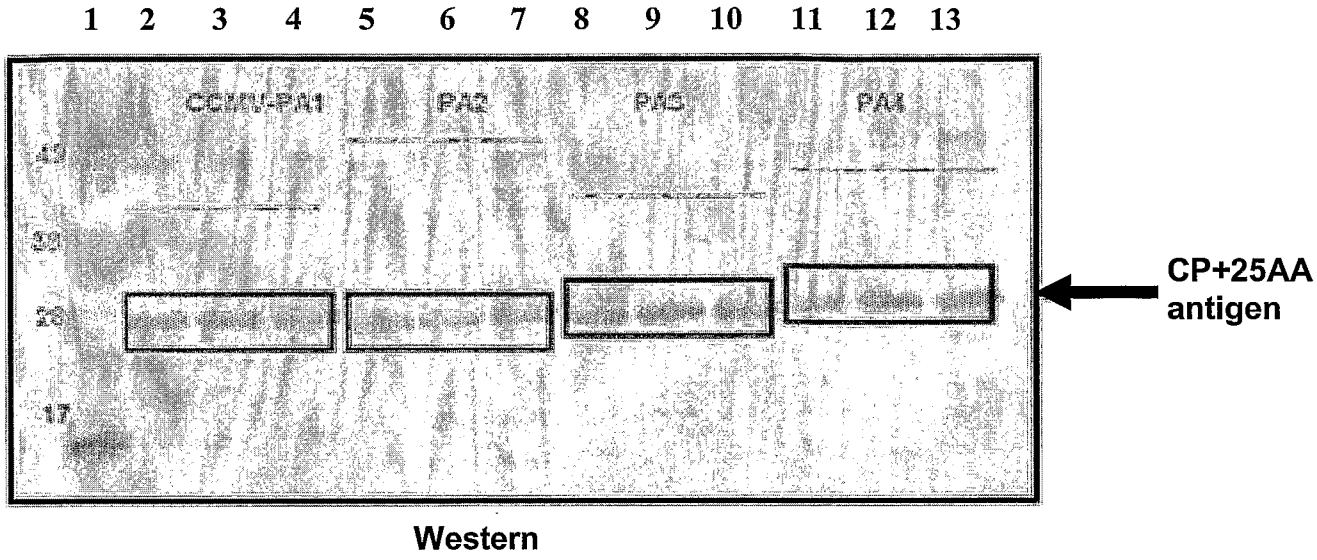


Figure 17

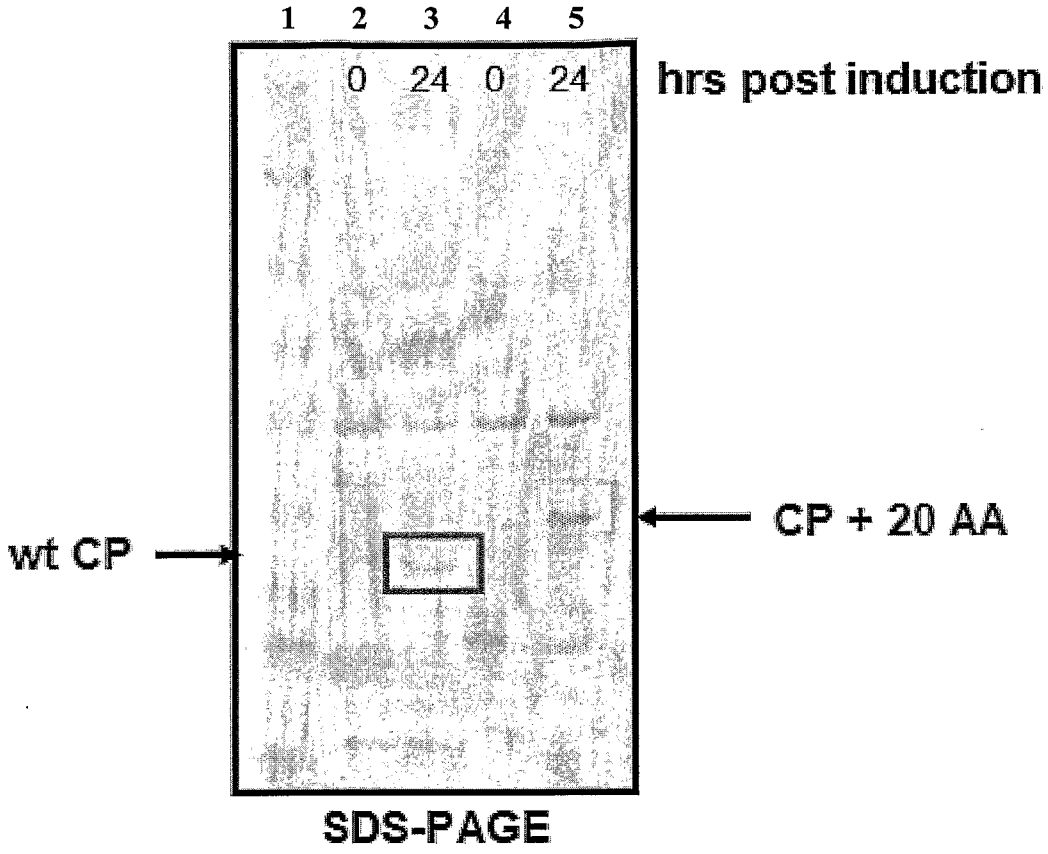


Figure 18

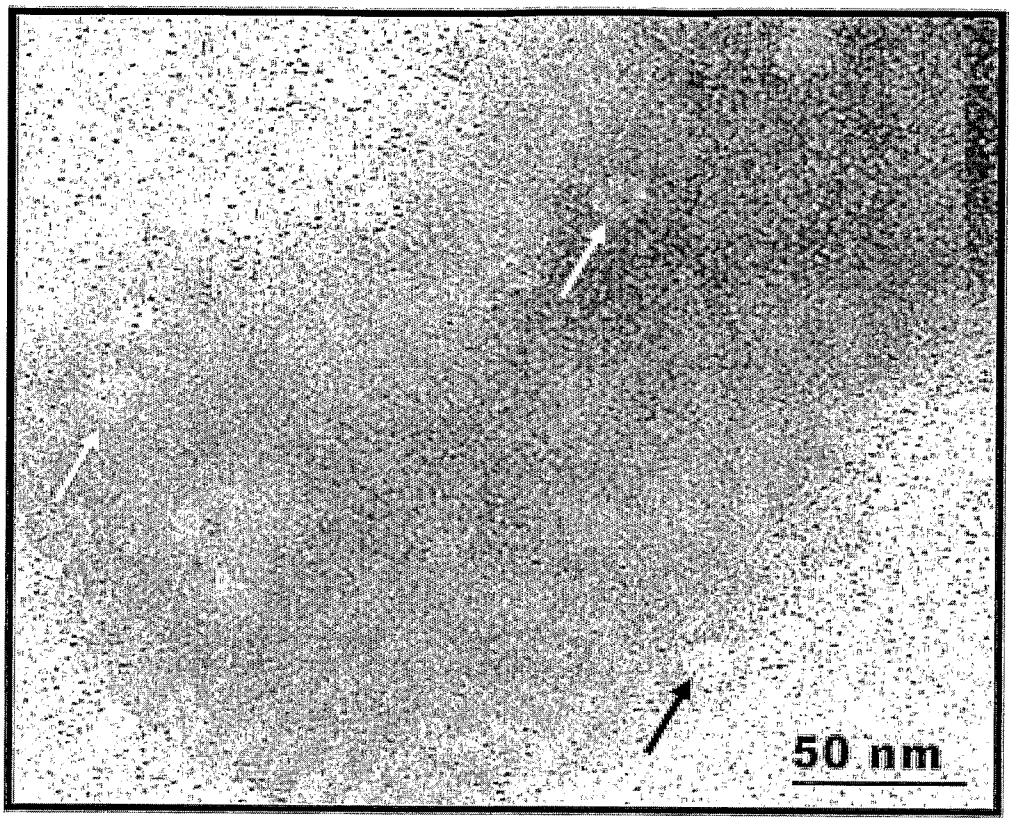


Figure 19

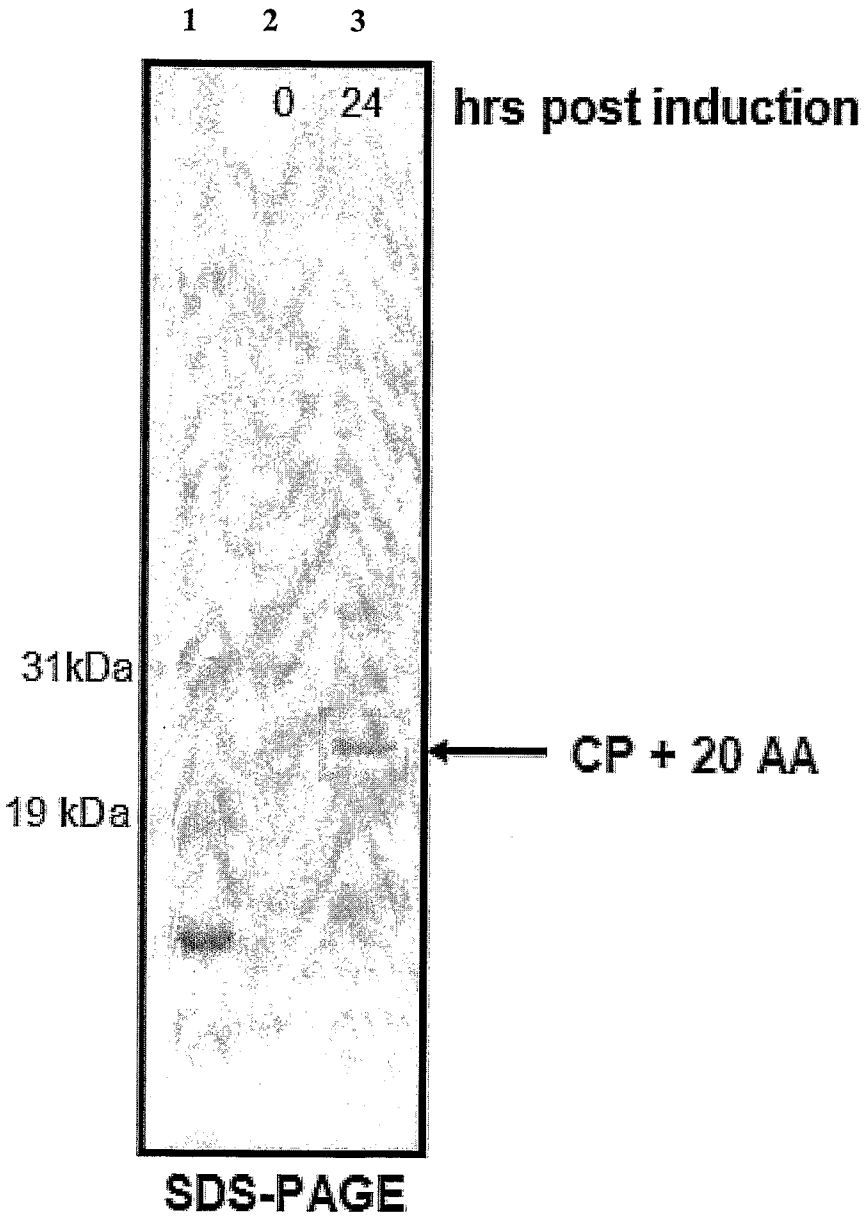


Figure 20

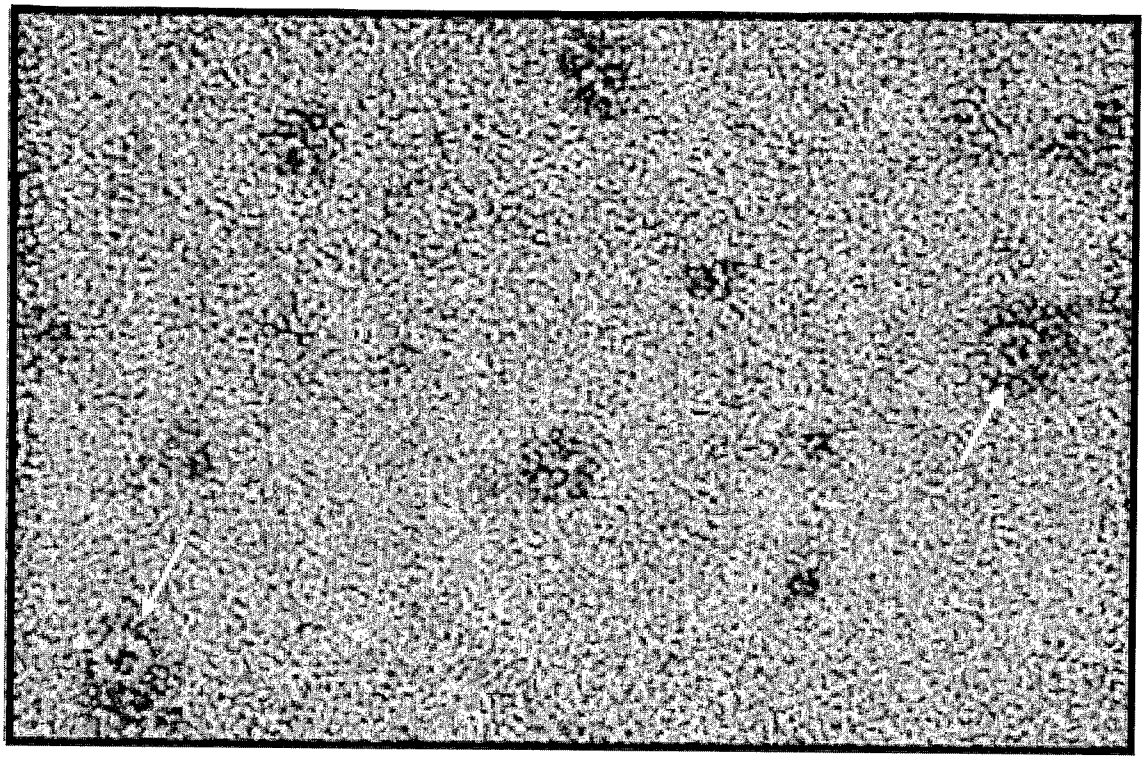


Figure 21

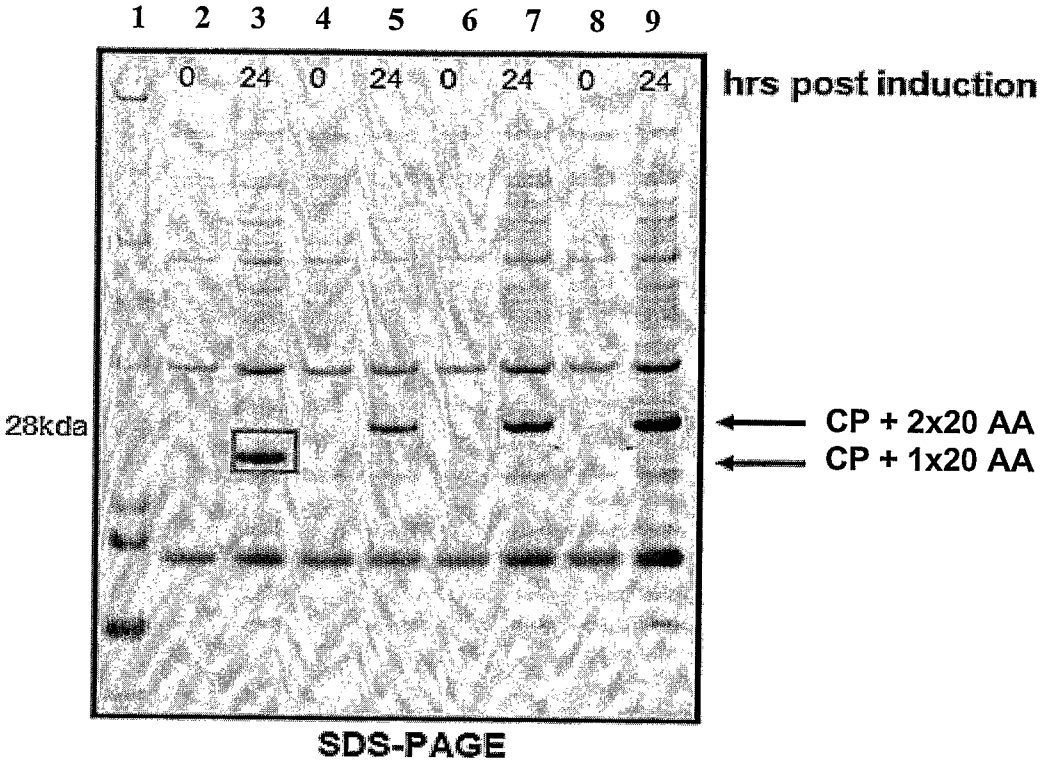

1 2 3 4 5 6 7 8 9
0 24 0 24 0 24 0 24
hrs post induction
28kda
CP + 2x20 AA
CP + 1x20 AA
SDS-PAGE

Figure 22

