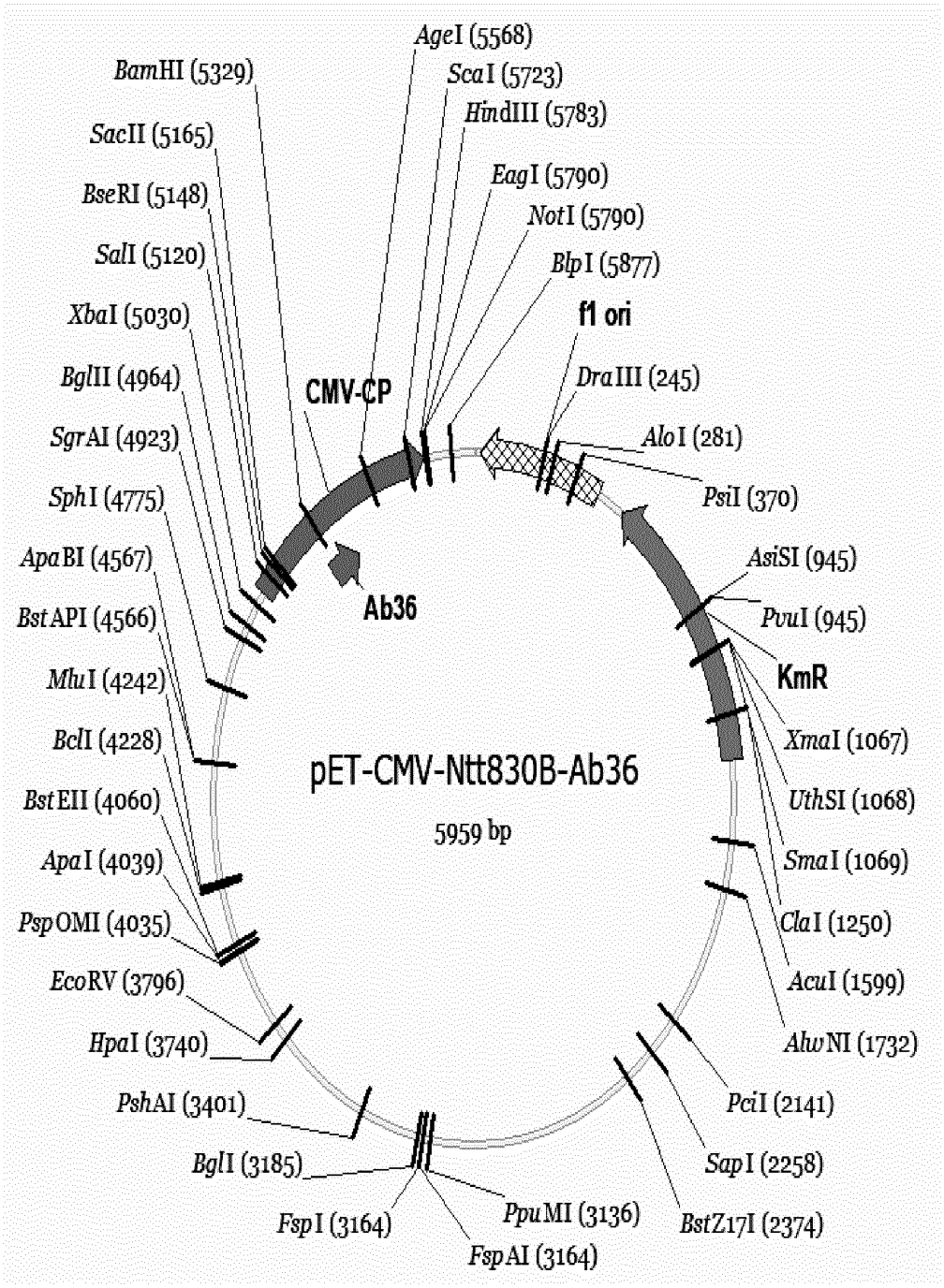

AgeI (5568)
ScaI (5723)
HindIII (5783)
EagI (5790)
NotI (5790)
BlpI (5877)
f1 ori
DraIII (245)
AloI (281)
PsiI (370)
AsiSI (945)
PvuI (945)
KmR
XmaI (1067)
UthSI (1068)
SmaI (1069)
ClaI (1250)
AcuI (1599)
AlwNI (1732)
PciI (2141)
SapI (2258)
BstZ17I (2374)
FspAI (3164)
FspI (3164)
PpuMI (3136)
BglI (3185)
PshAI (3401)
HpaI (3740)
EcoRV (3796)
PspOMI (4035)
ApaI (4039)
BstEII (4060)
BclI (4228)
MluI (4242)
BstAPI (4566)
ApaBI (4567)
SphI (4775)
SgrAI (4923)
BglII (4964)
XbaI (5030)
SalI (5120)
BseRI (5148)
SacII (5165)
BamHI (5329)
CMV-CP
Ab36
pET-CMV-Ntt830B-Ab36
5959 bp

FIG. 1

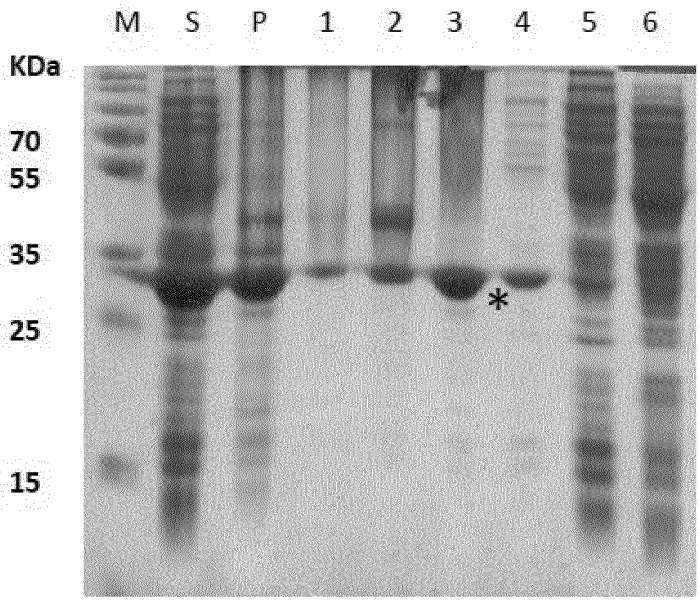



FIG. 2A

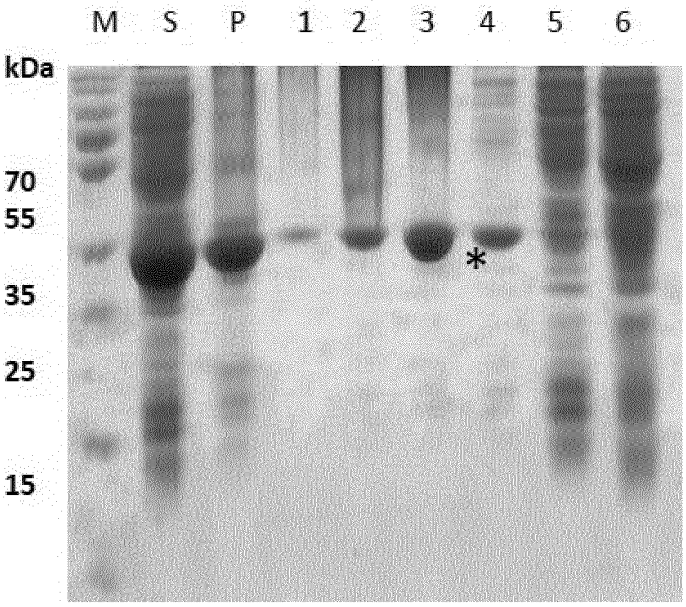



FIG. 2B

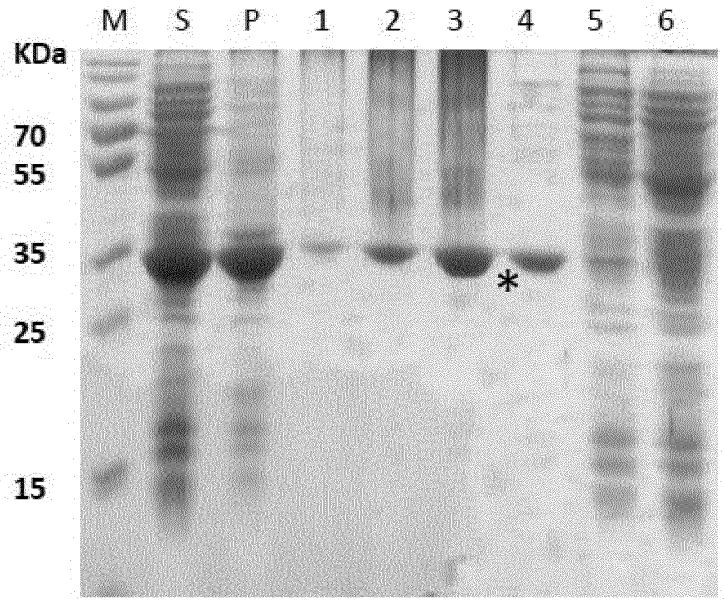



FIG. 2C

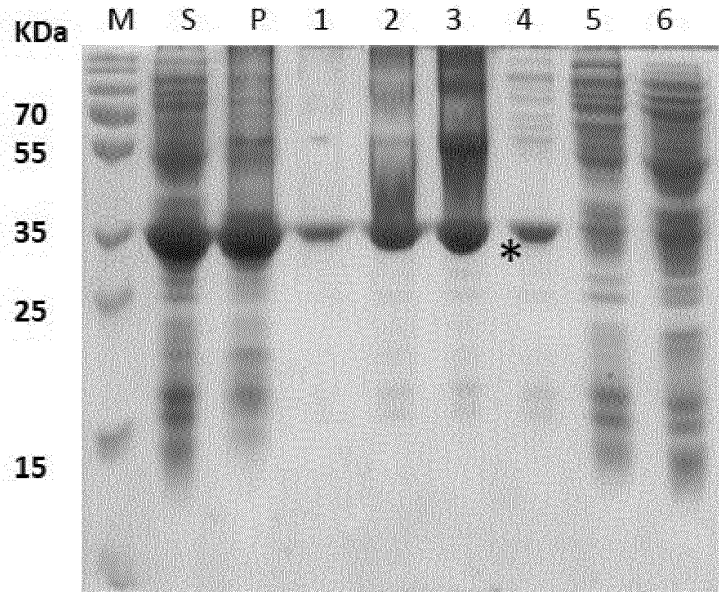



FIG. 2D

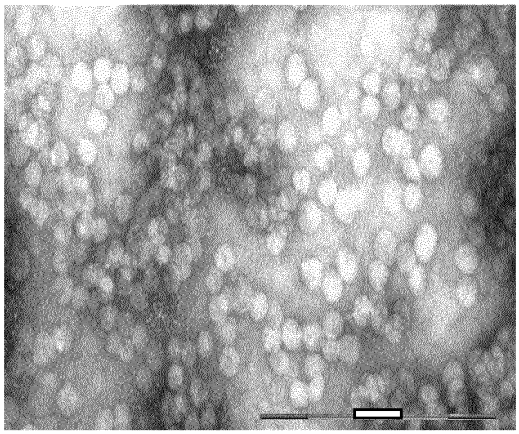


FIG. 3A

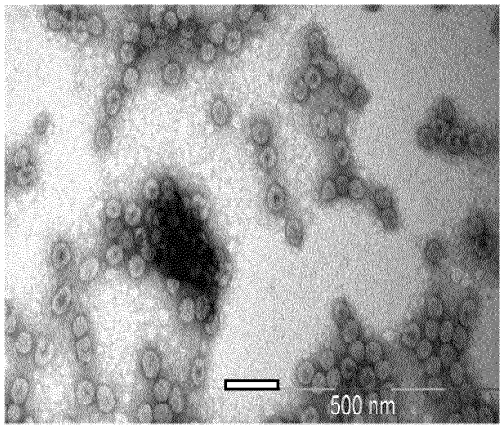



FIG. 3B

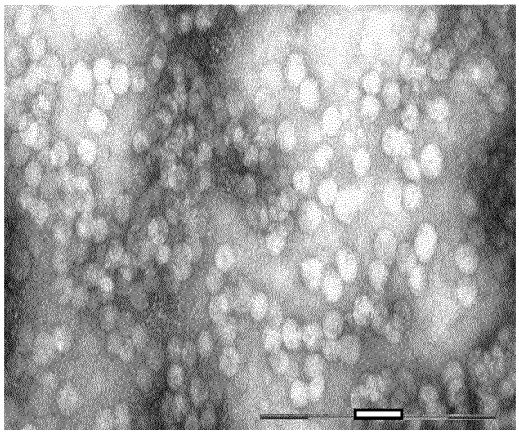


FIG. 3C

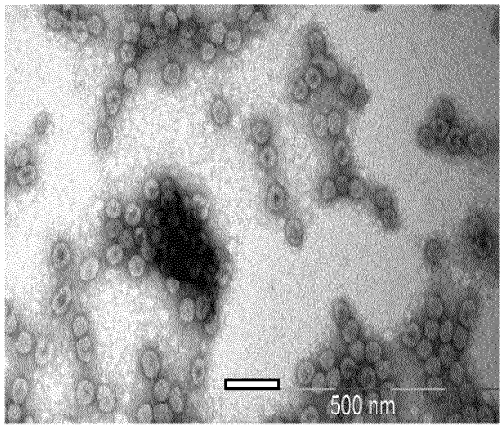



FIG. 3D

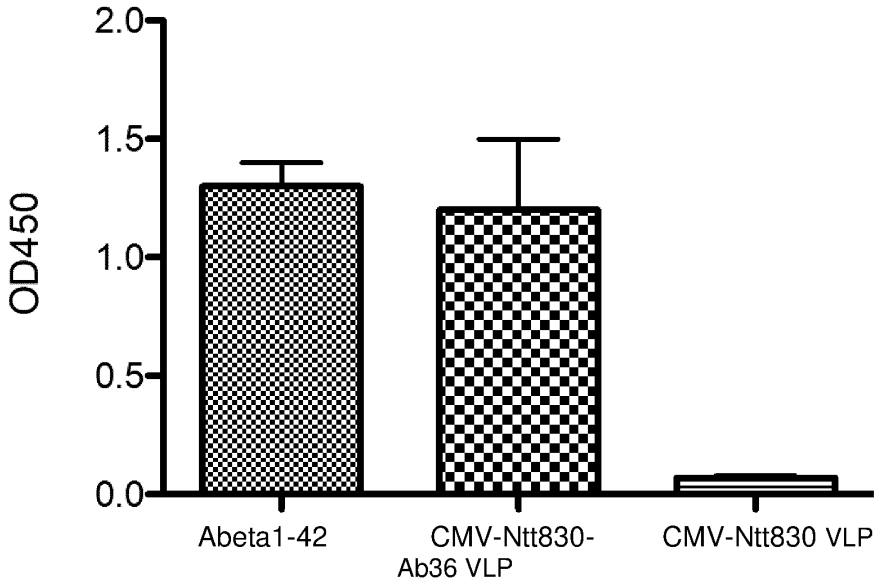

2.0
1.5
1.0
0.5
0.0
OD450
Abeta1-42
CMV-Ntt830-Ab36 VLP
CMV-Ntt830 VLP

FIG. 4

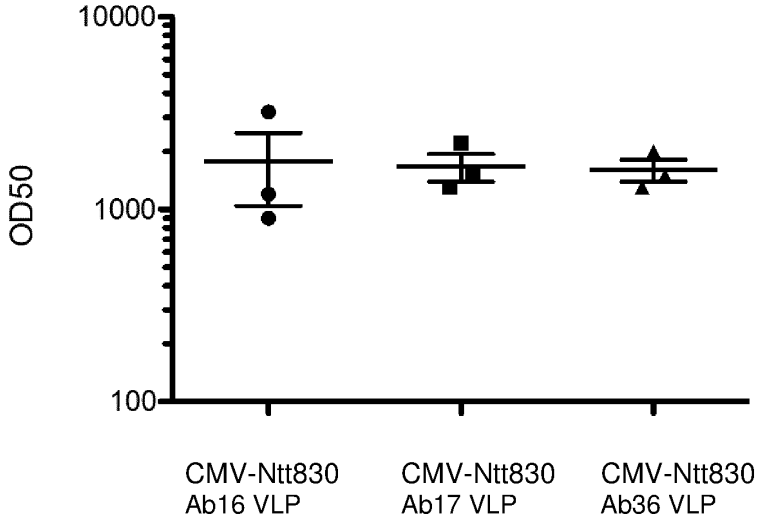

10000
1000
100
OD50
CMV-Ntt830 Ab16 VLP
CMV-Ntt830 Ab17 VLP
CMV-Ntt830 Ab36 VLP

FIG. 5A

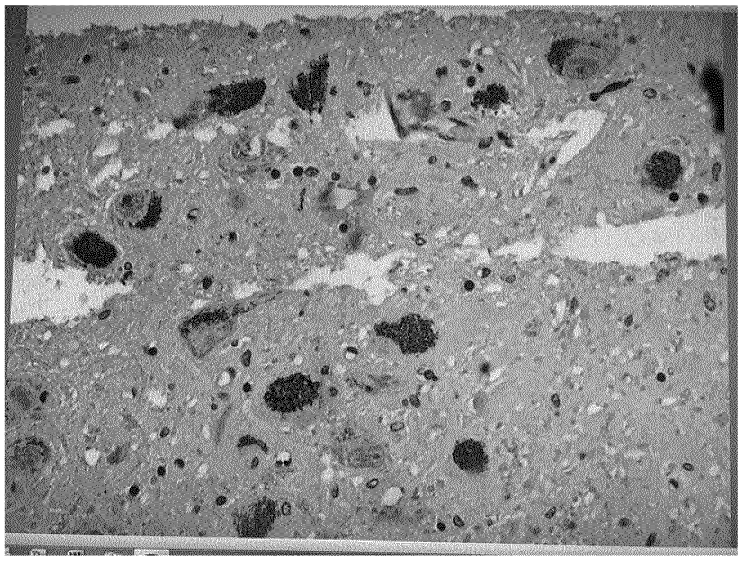


FIG. 5B

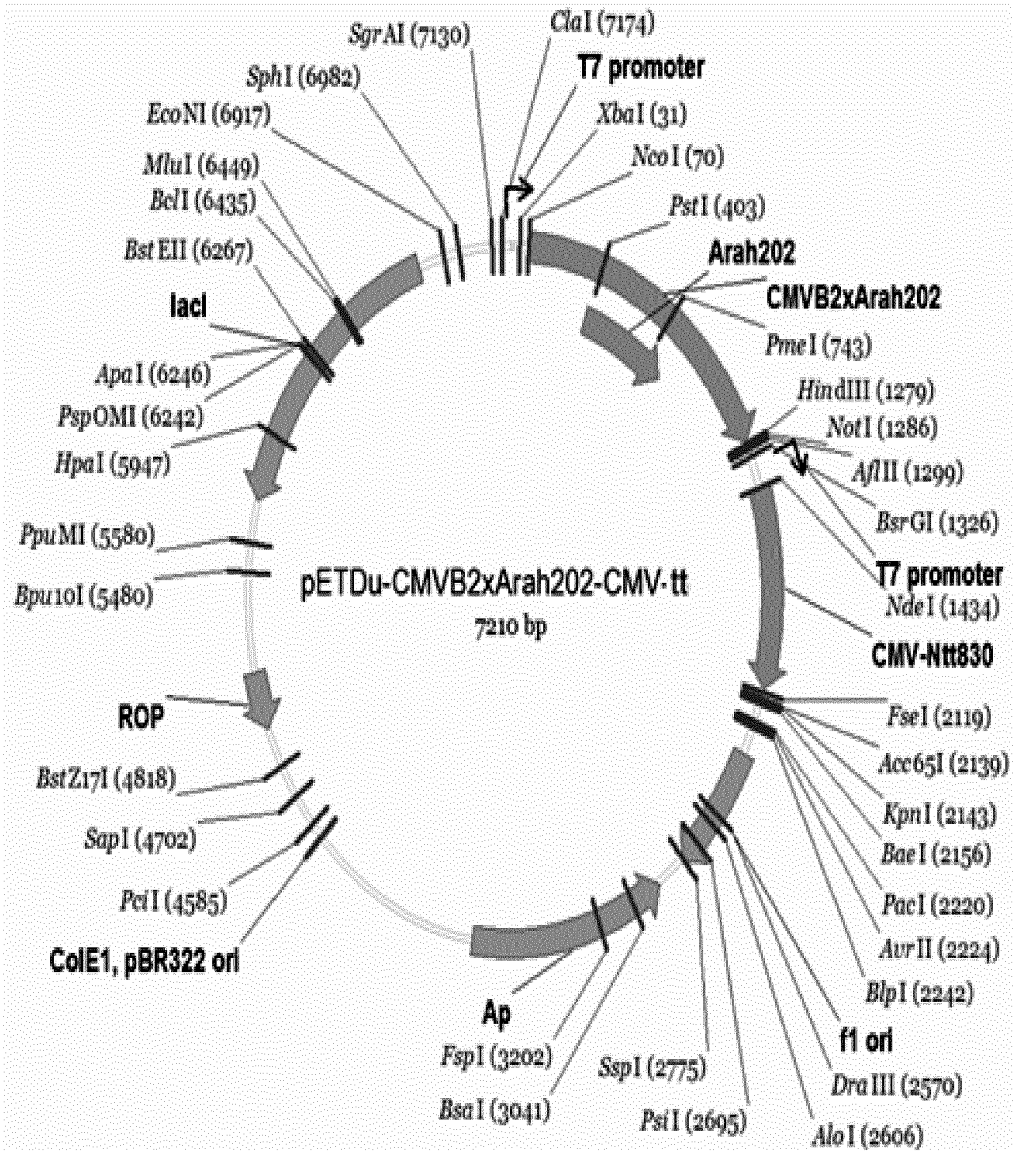

SgrAI (7130)
ClaI (7174)
T7 promoter
SphI (6982)
XbaI (31)
EcoNI (6917)
NcoI (70)
MluI (6449)
PstI (403)
BclI (6435)
Arah202
BstEII (6267)
CMVB2xArah202
lacI
PmeI (743)
ApaI (6246)
HindIII (1279)
PspOMI (6242)
NotI (1286)
HpaI (5947)
AflII (1299)
BsrGI (1326)
PpuMI (5580)
T7 promoter
pETDu-CMVB2xArah202-CMV-tt
Bpu10I (5480)
7210 bp
NdeI (1434)
CMV-Ntt830
ROP
FseI (2119)
Acc65I (2139)
BstZ17I (4818)
KpnI (2143)
SapI (4702)
BaeI (2156)
PciI (4585)
PacI (2220)
AvrII (2224)
ColE1, pBR322 ori
BlpI (2242)
Ap
f1 ori
FspI (3202)
SspI (2775)
DraIII (2570)
BsaI (3041)
PsiI (2695)
AloI (2606)

FIG. 6

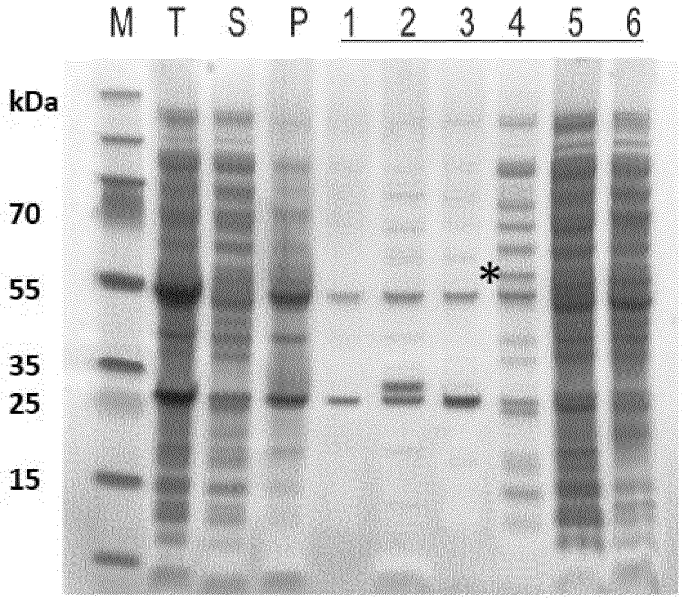



FIG. 7A

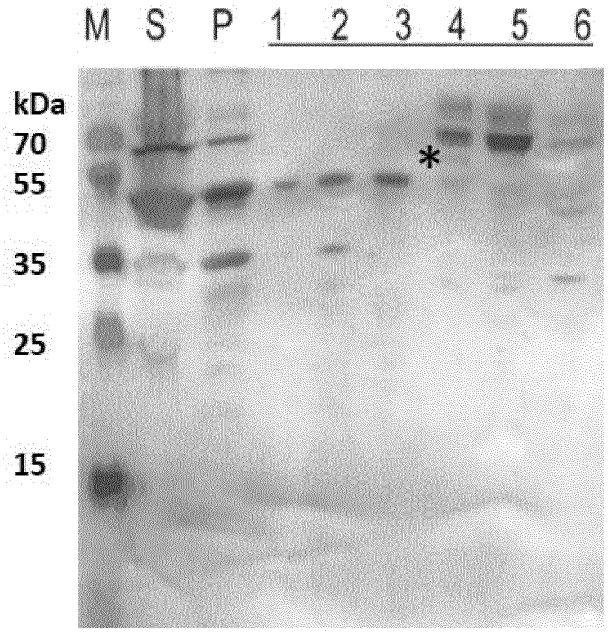



FIG. 7B

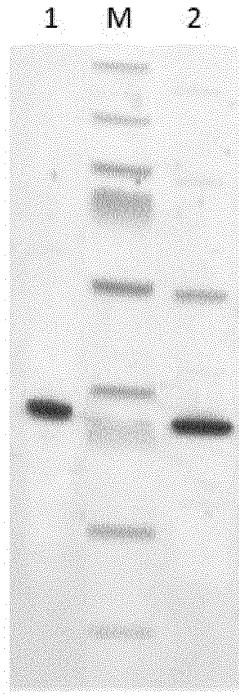



FIG. 8A

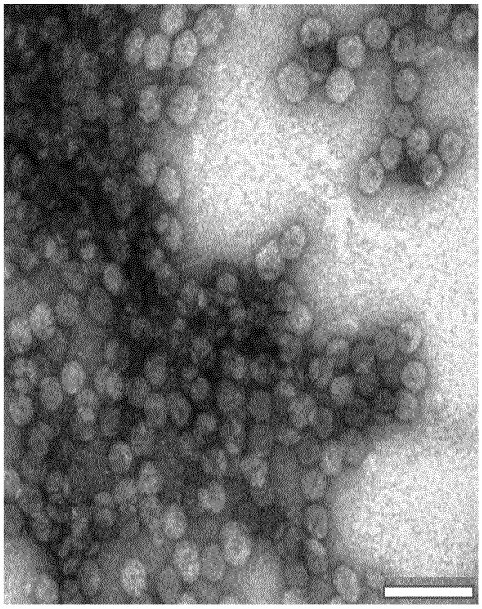


FIG. 8B

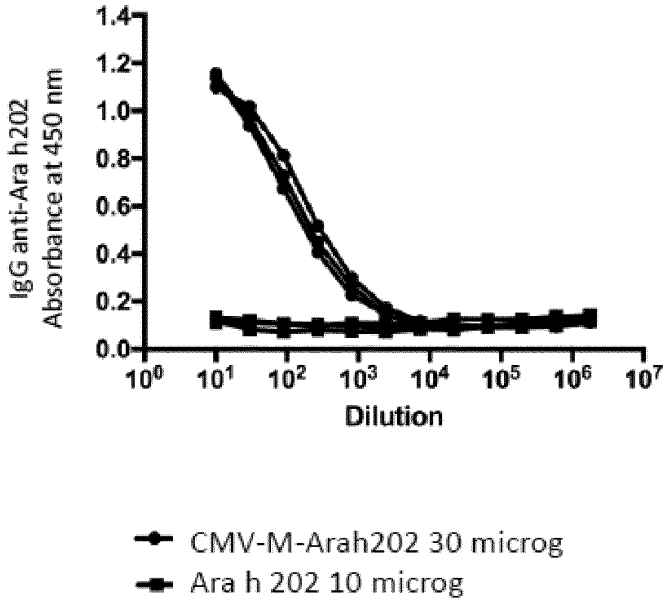



FIG. 9

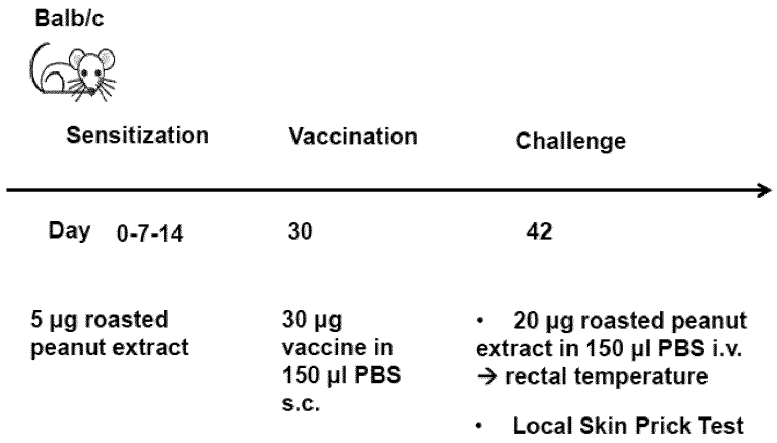



FIG. 10A

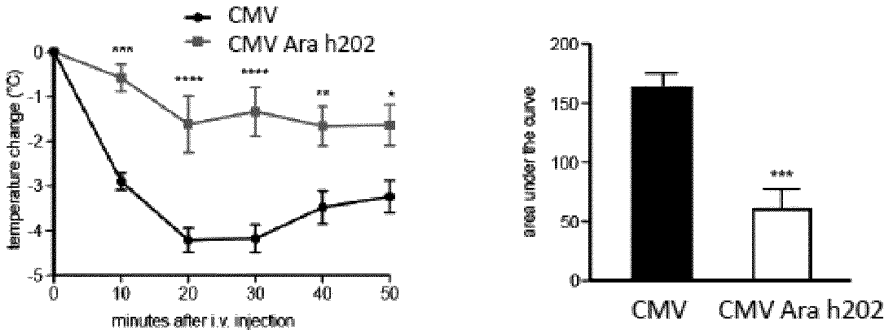



FIG. 10B

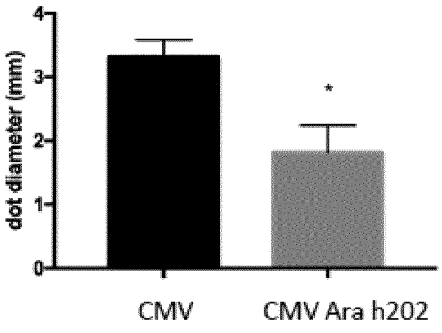



FIG. 10C

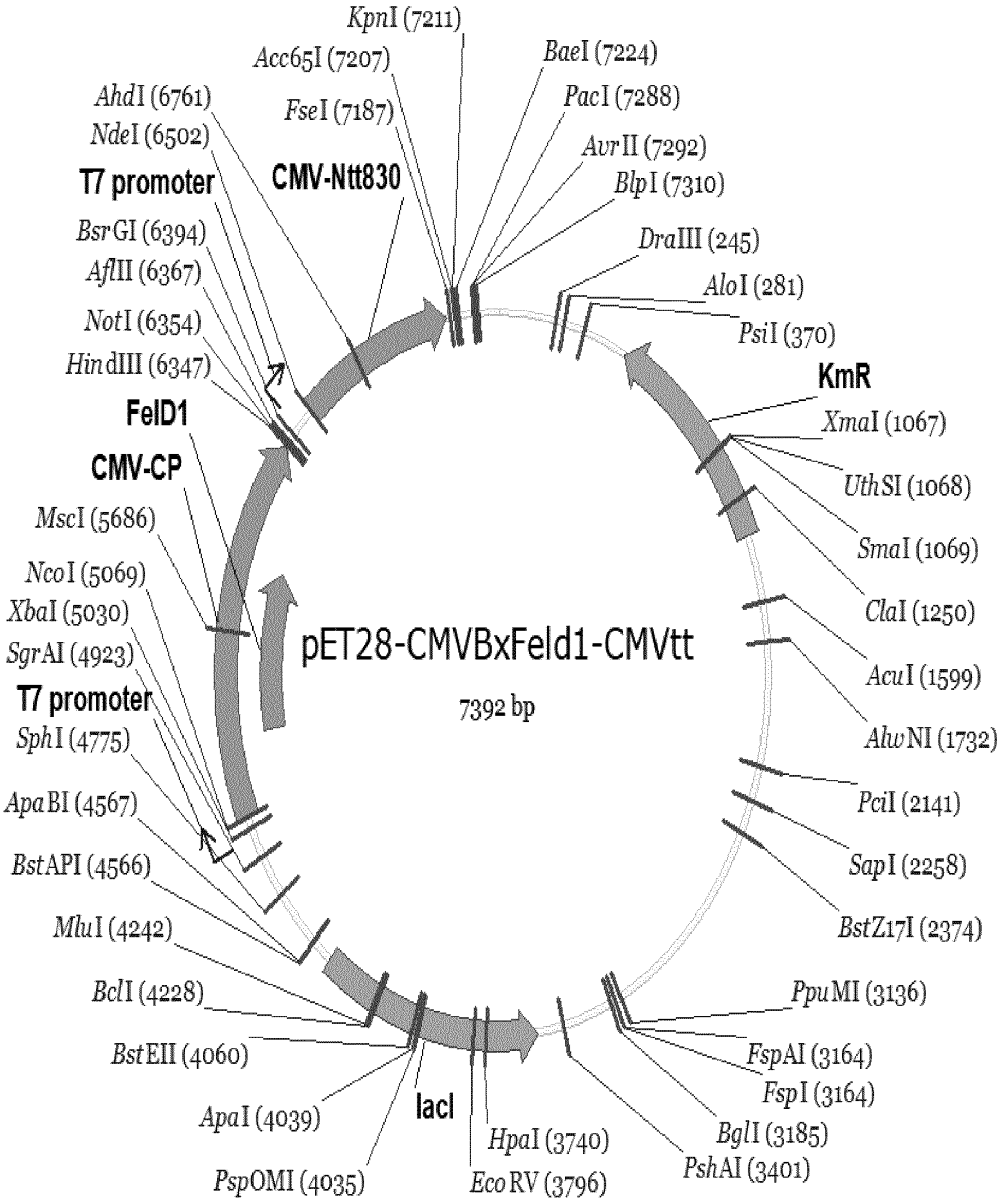

pET28-CMVBxFeld1-CMVtt
7392 bp
KpnI (7211)
Acc65I (7207)
AhdI (6761)
NdeI (6502)
T7 promoter
BsrGI (6394)
AflII (6367)
NotI (6354)
HindIII (6347)
FelD1
CMV-CP
MscI (5686)
NcoI (5069)
XbaI (5030)
SgrAI (4923)
T7 promoter
SphI (4775)
ApaBI (4567)
BstAPI (4566)
MluI (4242)
BclI (4228)
BstEII (4060)
ApaI (4039)
PspOMI (4035)
FseI (7187)
CMV-Ntt830
lacI
HpaI (3740)
EcoRV (3796)
BaeI (7224)
PacI (7288)
AvrII (7292)
BlpI (7310)
DraIII (245)
AloI (281)
PsiI (370)
KmR
XmaI (1067)
UthSI (1068)
SmaI (1069)
ClaI (1250)
AcuI (1599)
AlwNI (1732)
PciI (2141)
SapI (2258)
BstZ17I (2374)
PpuMI (3136)
FspAI (3164)
FspI (3164)
BglI (3185)
PshAI (3401)

FIG. 11

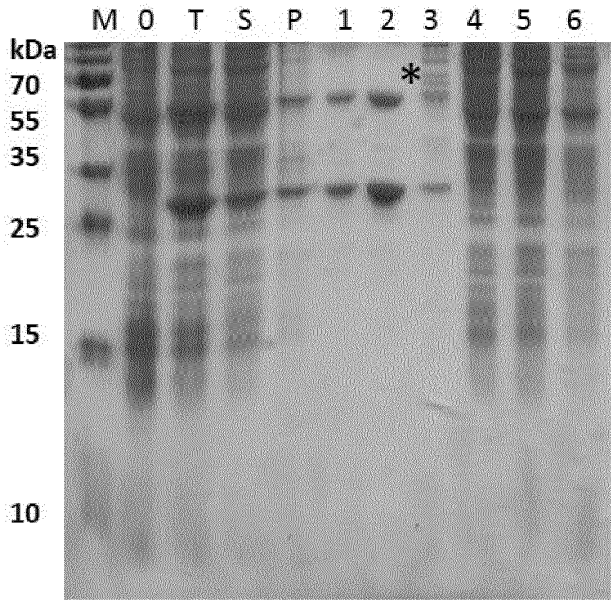



FIG. 12A

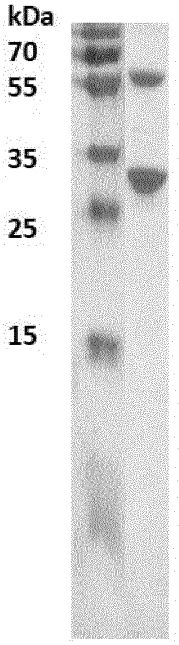



FIG. 12B

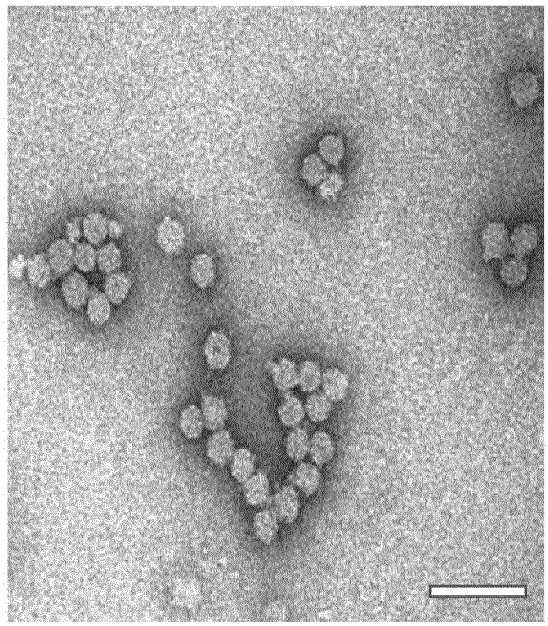


FIG. 12C

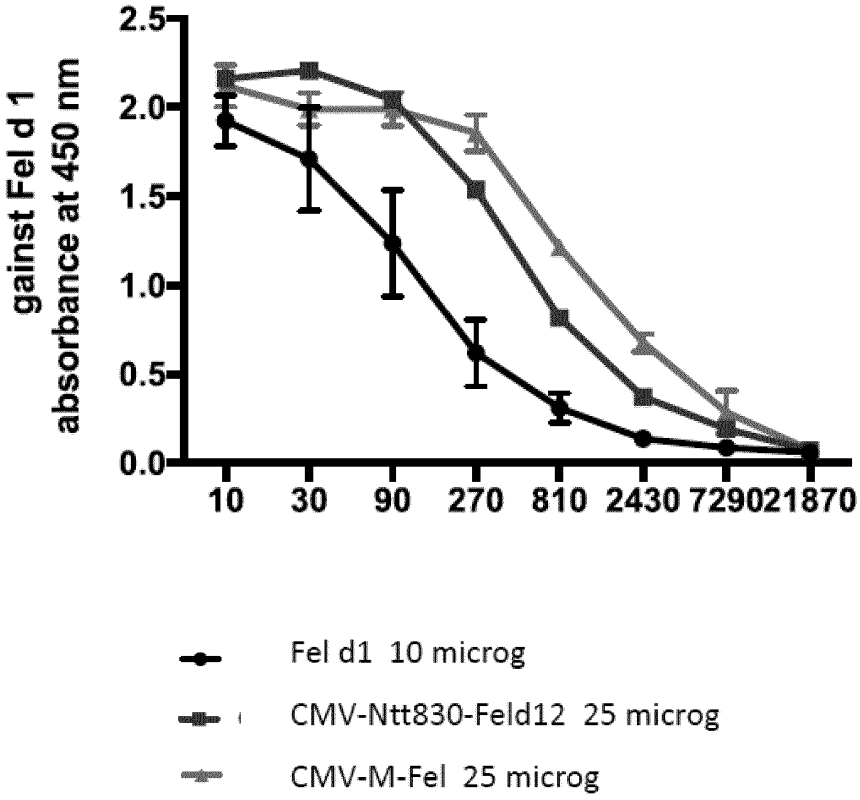

gainst Fel d 1
absorbance at 450 nm
2.5
2.0
1.5
1.0
0.5
0.0
10
30
90
270
810
2430
729021870
Fel d1 10 microg
CMV-Ntt830-Feld12 25 microg
CMV-M-Fel 25 microg

FIG. 13



Balb/c

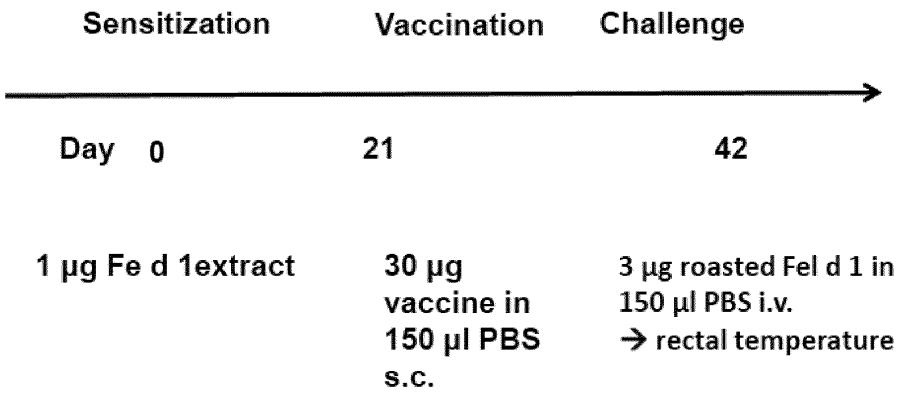



FIG. 14A

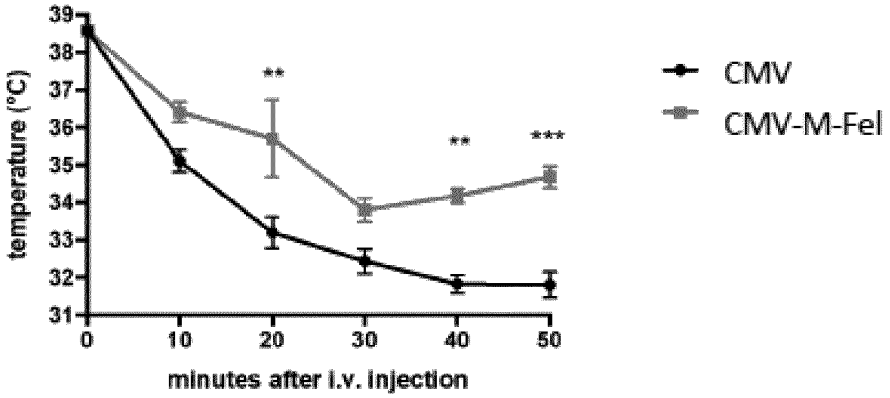



FIG. 14B

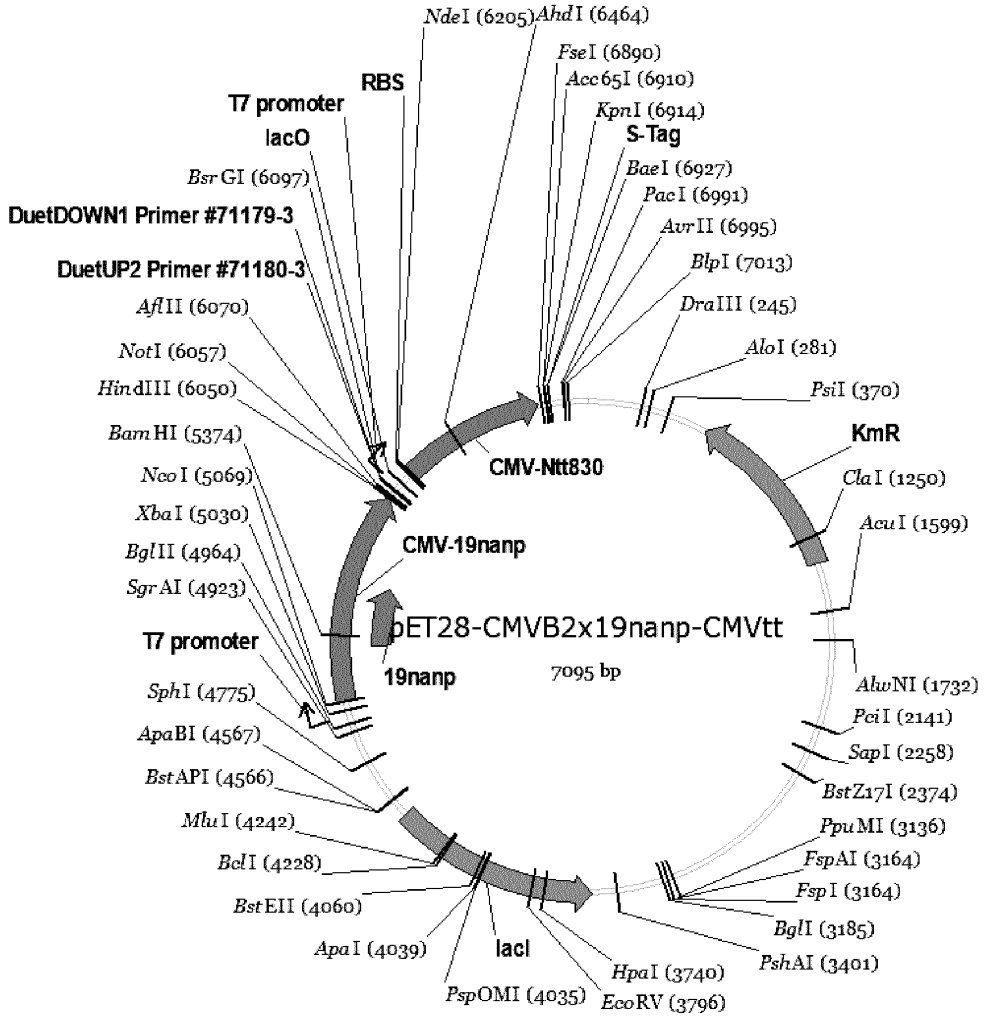

pET28-CMVB2x19nanp-CMVtt
7095 bp
CMV-Ntt830
CMV-19nanp
19nanp
KmR
lacI
T7 promoter
RBS
lacO
T7 promoter
S-Tag
DuetDOWN1 Primer #71179-3
DuetUP2 Primer #71180-3
NdeI (6205)
AhdI (6464)
FseI (6890)
Acc65I (6910)
KpnI (6914)
BaeI (6927)
PacI (6991)
AvrII (6995)
BlpI (7013)
DraIII (245)
AloI (281)
PsiI (370)
ClaI (1250)
AcuI (1599)
AlwNI (1732)
PciI (2141)
SapI (2258)
BstZ17I (2374)
PpuMI (3136)
FspAI (3164)
FspI (3164)
BglI (3185)
PshAI (3401)
EcoRV (3796)
HpaI (3740)
PspOMI (4035)
ApaI (4039)
BstEII (4060)
BclI (4228)
MluI (4242)
BstAPI (4566)
ApaBI (4567)
SphI (4775)
SgrAI (4923)
BglII (4964)
XbaI (5030)
NcoI (5069)
BamHI (5374)
HindIII (6050)
NotI (6057)
AflII (6070)
BsrGI (6097)

FIG. 15

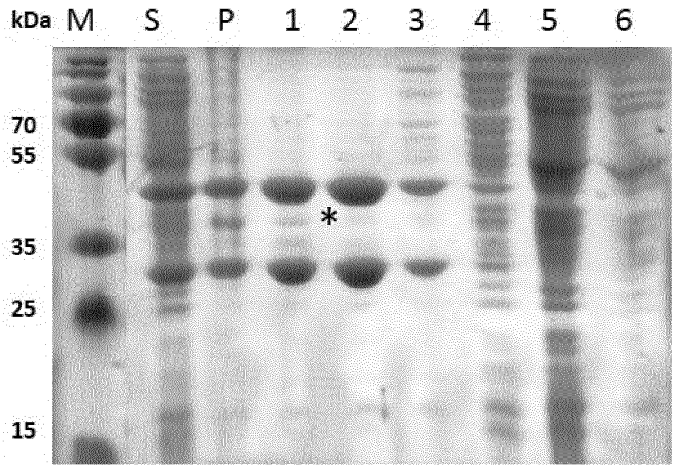



FIG. 16

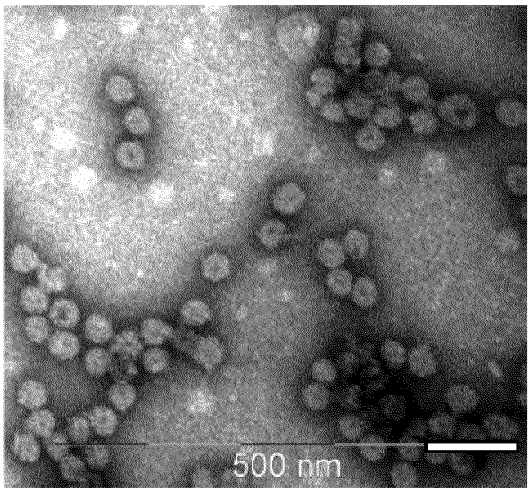



FIG. 17

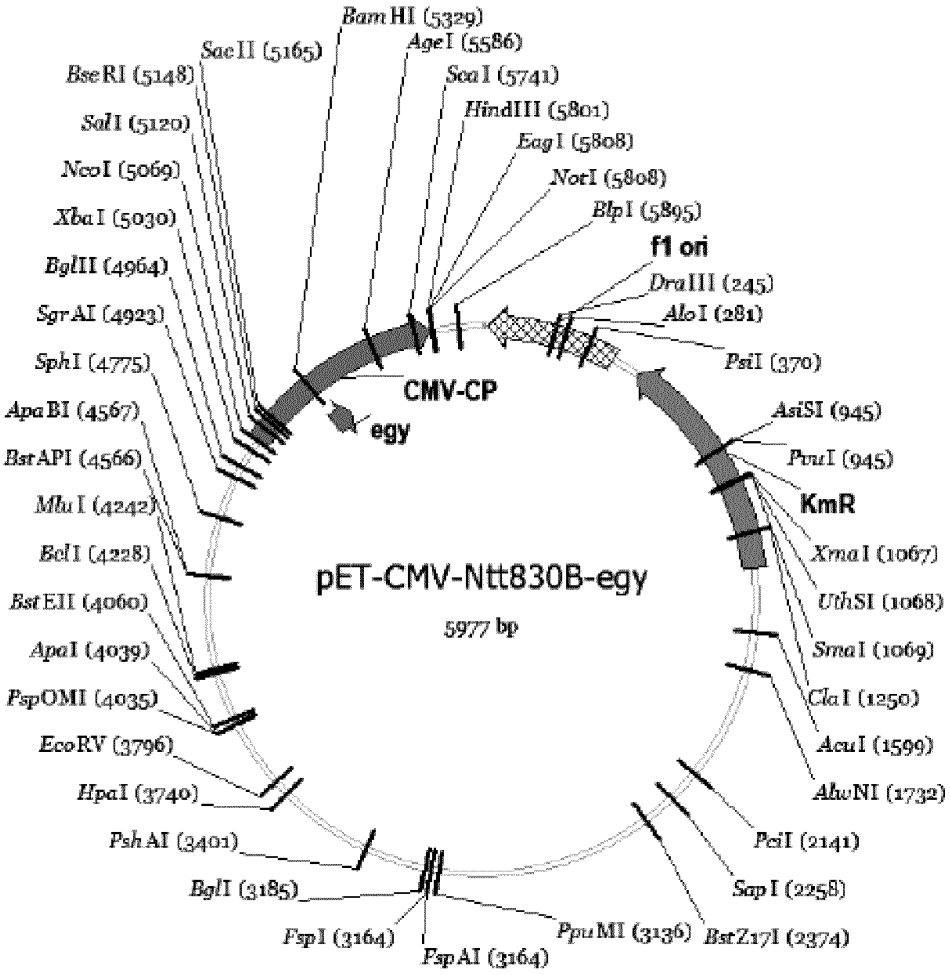

BamHI (5329)
AgeI (5586)
SeaI (5741)
HindIII (5801)
EagI (5808)
NotI (5808)
BlpI (5895)
f1 ori
DraIII (245)
AloI (281)
PsiI (370)
AsiSI (945)
PvuI (945)
KmR
XmaI (1067)
UthSI (1068)
SmaI (1069)
ClaI (1250)
AcuI (1599)
AlwNI (1732)
PciI (2141)
SapI (2258)
BstZ17I (2374)
PpuMI (3136)
FspAI (3164)
FspI (3164)
BglI (3185)
PshAI (3401)
HpaI (3740)
EcoRV (3796)
PspOMI (4035)
ApaI (4039)
BstEII (4060)
BclI (4228)
MluI (4242)
BstAPI (4566)
ApaBI (4567)
SphI (4775)
SgrAI (4923)
BglII (4964)
XbaI (5030)
NcoI (5069)
SalI (5120)
BseRI (5148)
SacII (5165)
CMV-CP
egy
pET-CMV-Ntt830B-egy
5977 bp

FIG. 18

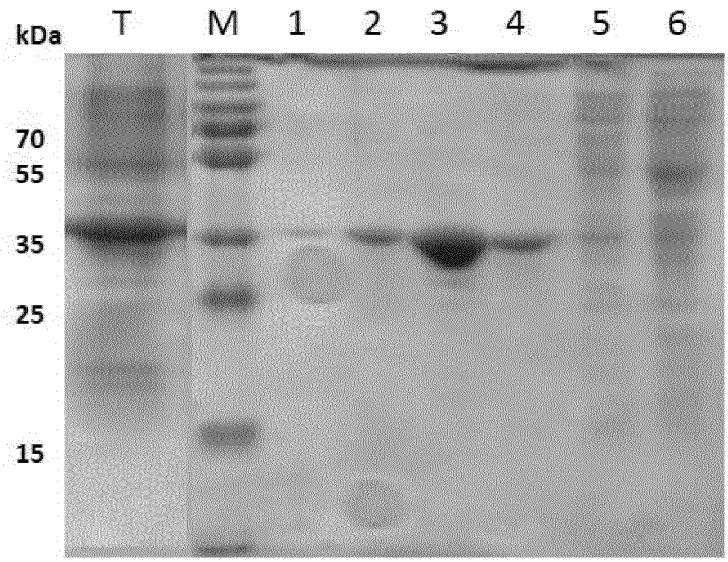



FIG. 19A

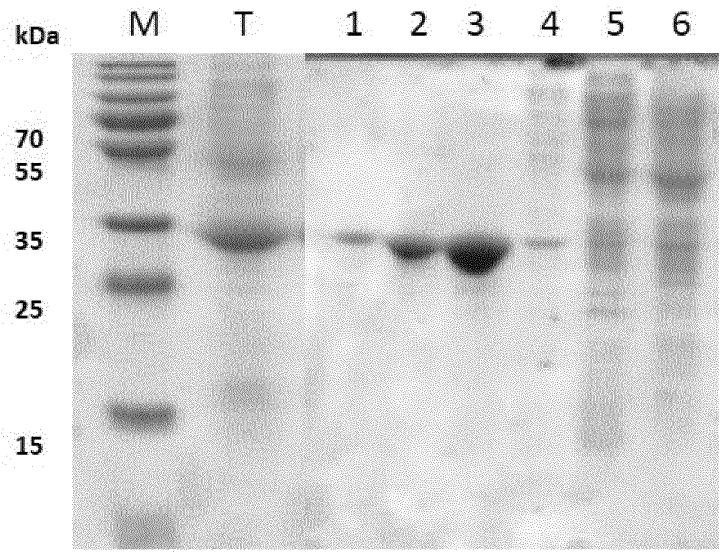



FIG. 19B

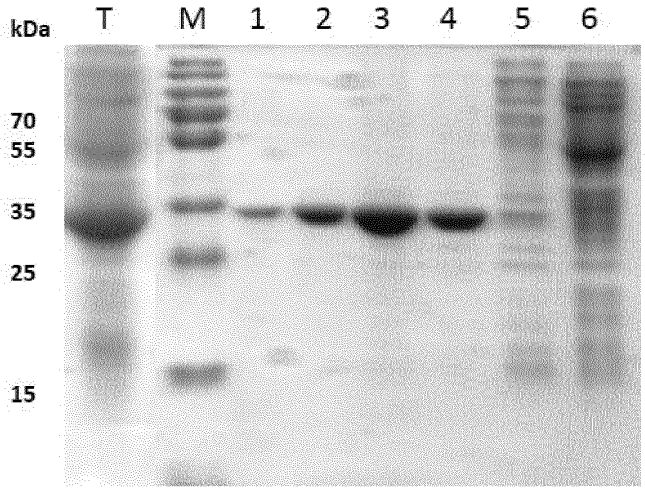



FIG. 19C

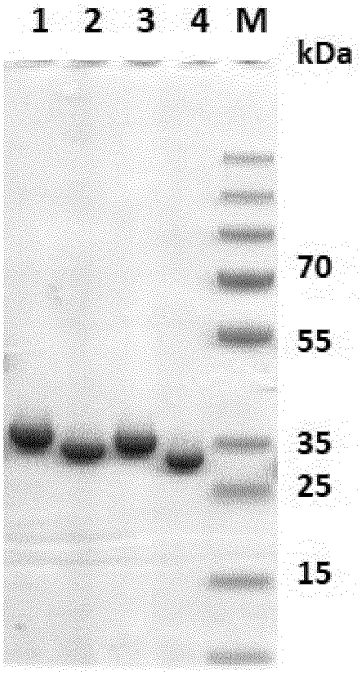



FIG. 20A

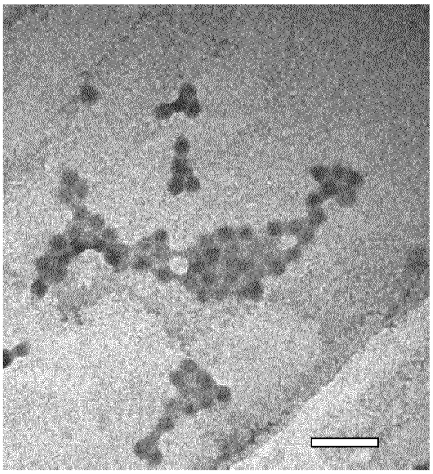


FIG. 20B

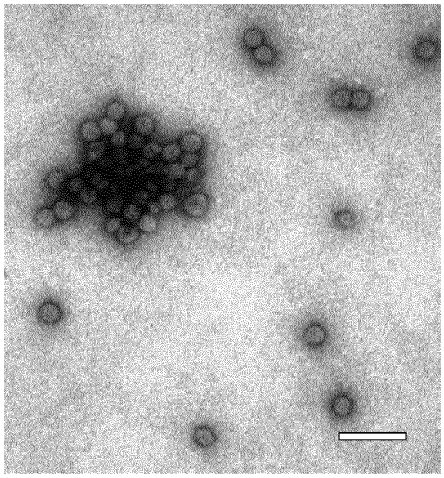


FIG. 20C

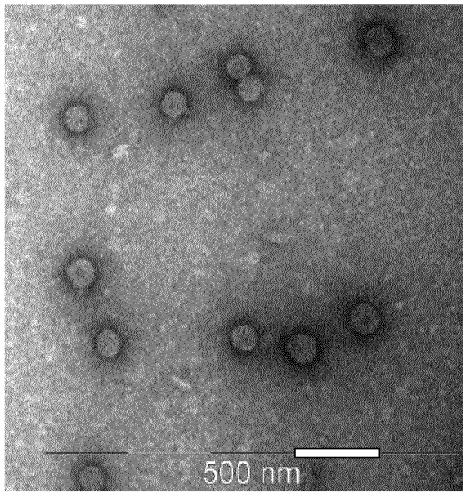



FIG. 20D

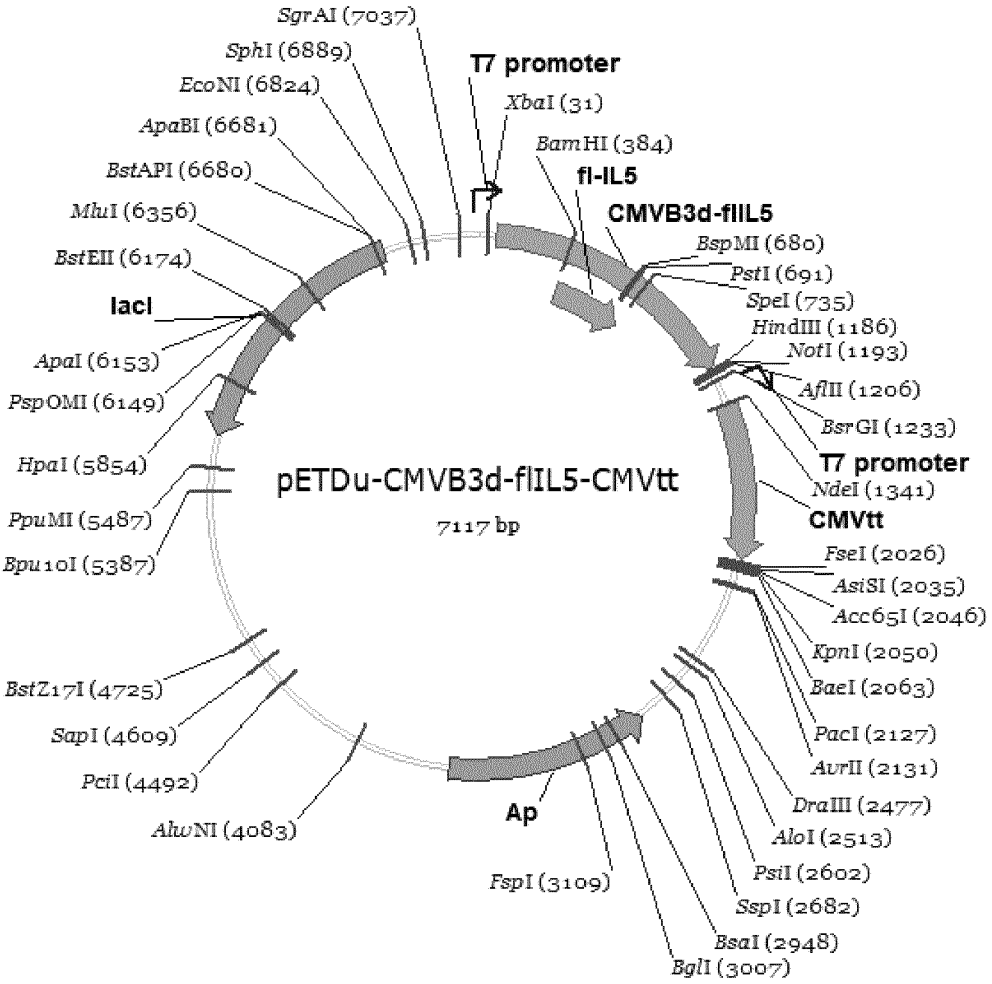

pETDu-CMVB3d-flIL5-CMVtt
7117 bp
T7 promoter
XbaI (31)
BamHI (384)
fl-IL5
CMVB3d-flIL5
BspMI (680)
PstI (691)
SpeI (735)
HindIII (1186)
NotI (1193)
AflII (1206)
BsrGI (1233)
T7 promoter
NdeI (1341)
CMVtt
FseI (2026)
AsiSI (2035)
Acc65I (2046)
KpnI (2050)
BaeI (2063)
PacI (2127)
AvrII (2131)
DraIII (2477)
AloI (2513)
PsiI (2602)
SspI (2682)
BsaI (2948)
BglI (3007)
Ap
FspI (3109)
AlwNI (4083)
PciI (4492)
SapI (4609)
BstZ17I (4725)
Bpu10I (5387)
PpuMI (5487)
HpaI (5854)
PspOMI (6149)
ApaI (6153)
lacI
BstEII (6174)
MluI (6356)
BstAPI (6680)
ApaBI (6681)
EcoNI (6824)
SphI (6889)
SgrAI (7037)

FIG. 21A

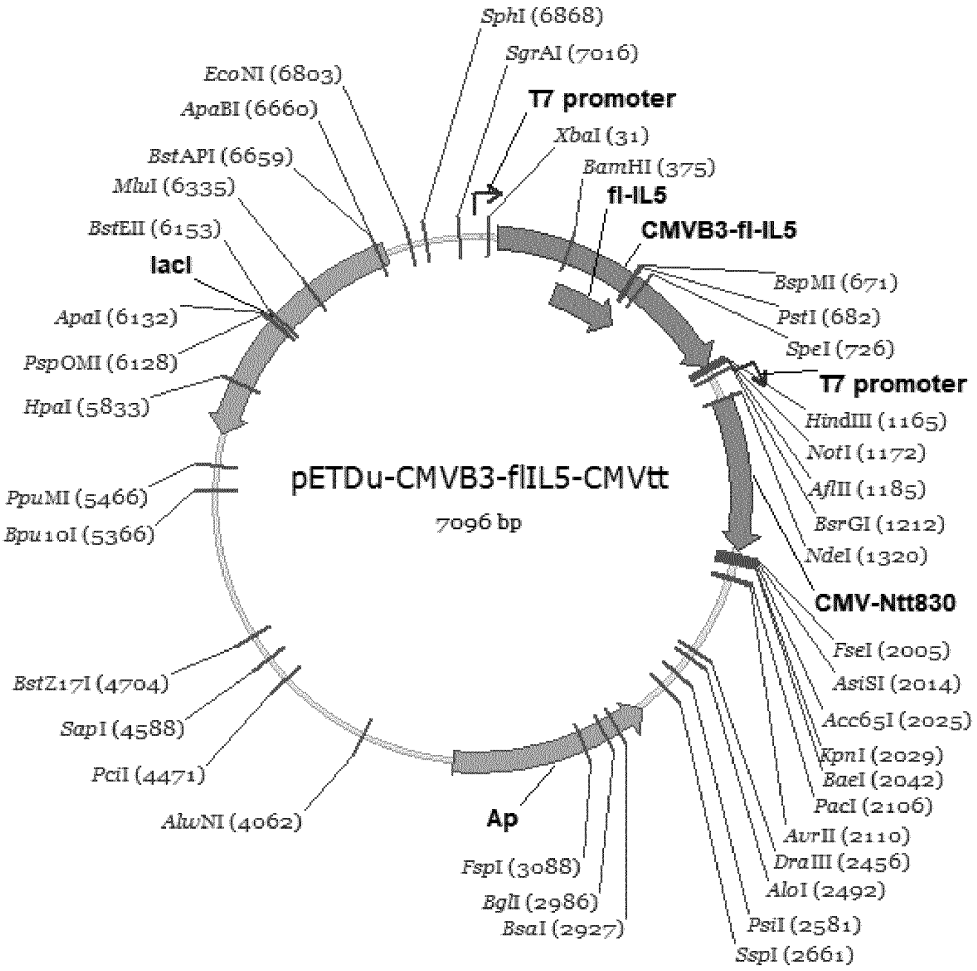

pETDu-CMVB3-flIL5-CMVtt
7096 bp
SphI (6868)
SgrAI (7016)
T7 promoter
XbaI (31)
BamHI (375)
fl-IL5
CMVB3-fl-IL5
BspMI (671)
PstI (682)
SpeI (726)
T7 promoter
HindIII (1165)
NotI (1172)
AflII (1185)
BsrGI (1212)
NdeI (1320)
CMV-Ntt830
FseI (2005)
AsiSI (2014)
Acc65I (2025)
KpnI (2029)
BaeI (2042)
PacI (2106)
AvrII (2110)
DraIII (2456)
AloI (2492)
PsiI (2581)
SspI (2661)
Ap
FspI (3088)
BglI (2986)
BsaI (2927)
AluNI (4062)
PciI (4471)
SapI (4588)
BstZ17I (4704)
PpuMI (5466)
Bpu10I (5366)
HpaI (5833)
PspOMI (6128)
ApaI (6132)
lacI
BstEII (6153)
MluI (6335)
BstAPI (6659)
ApaBI (6660)
EcoNI (6803)

FIG. 21B

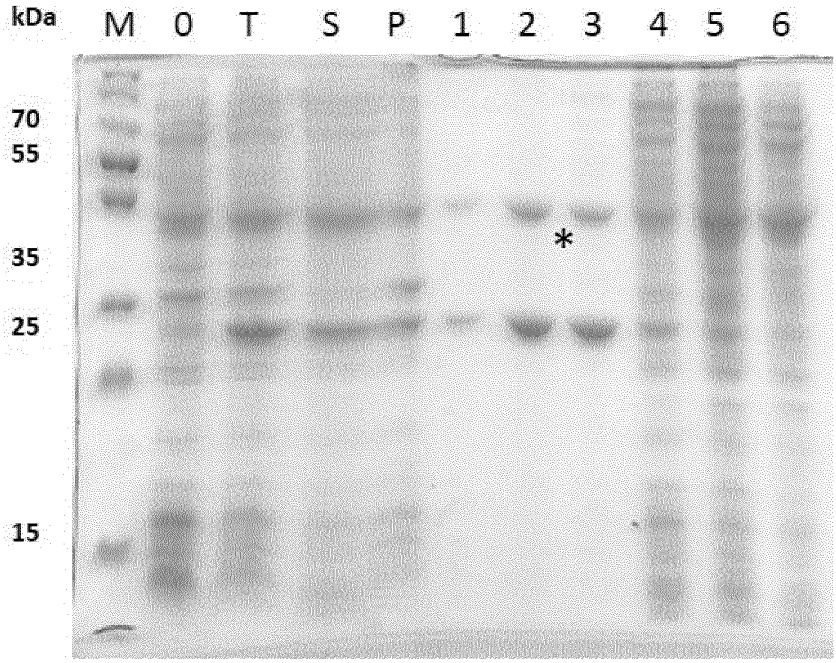



FIG. 22A

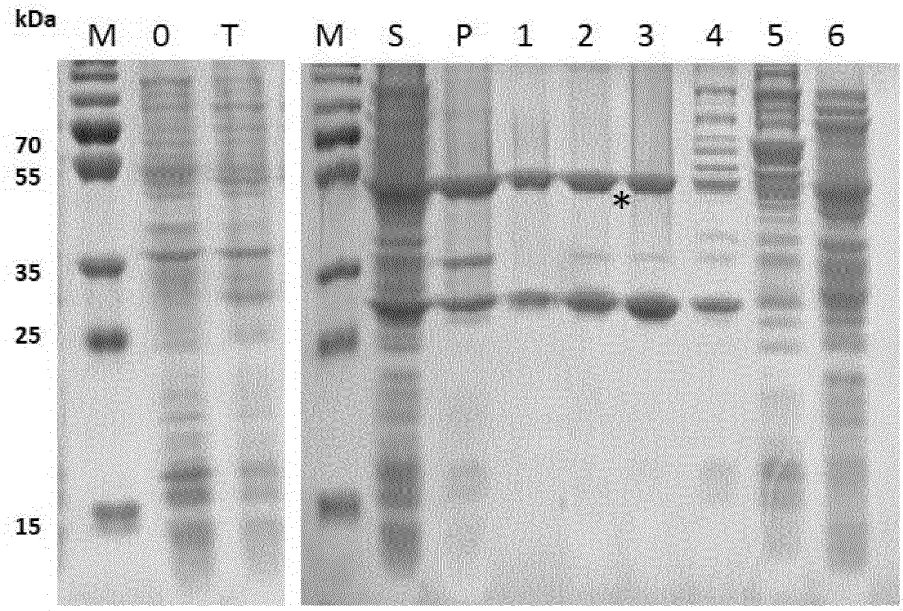



FIG. 22b

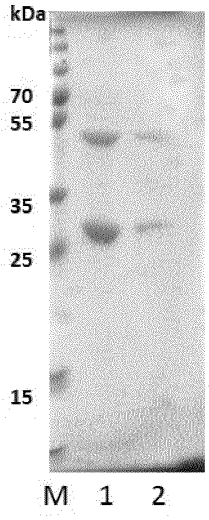



FIG. 23A

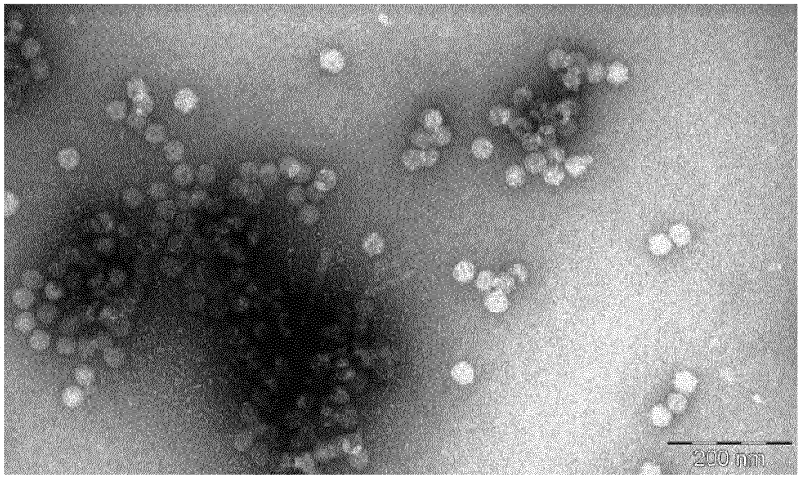



FIG. 23B

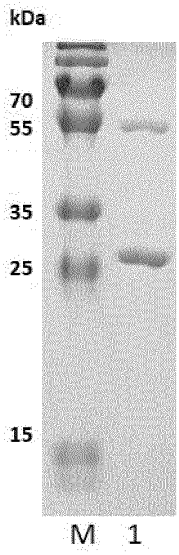



FIG. 23C

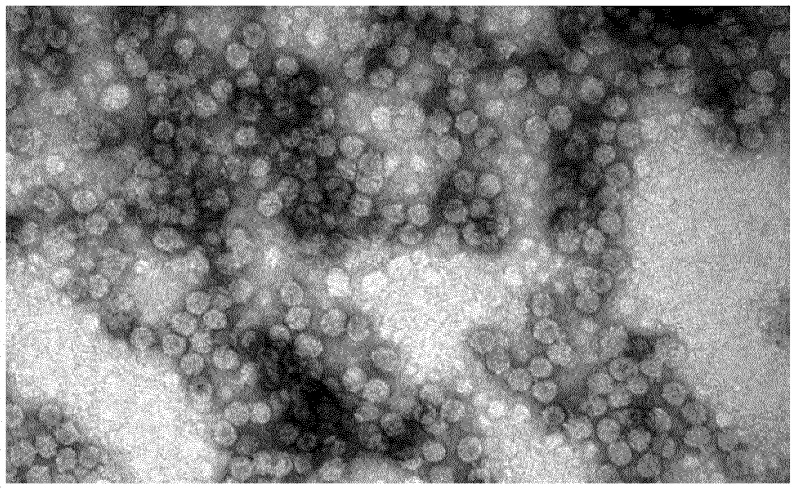


FIG. 23D

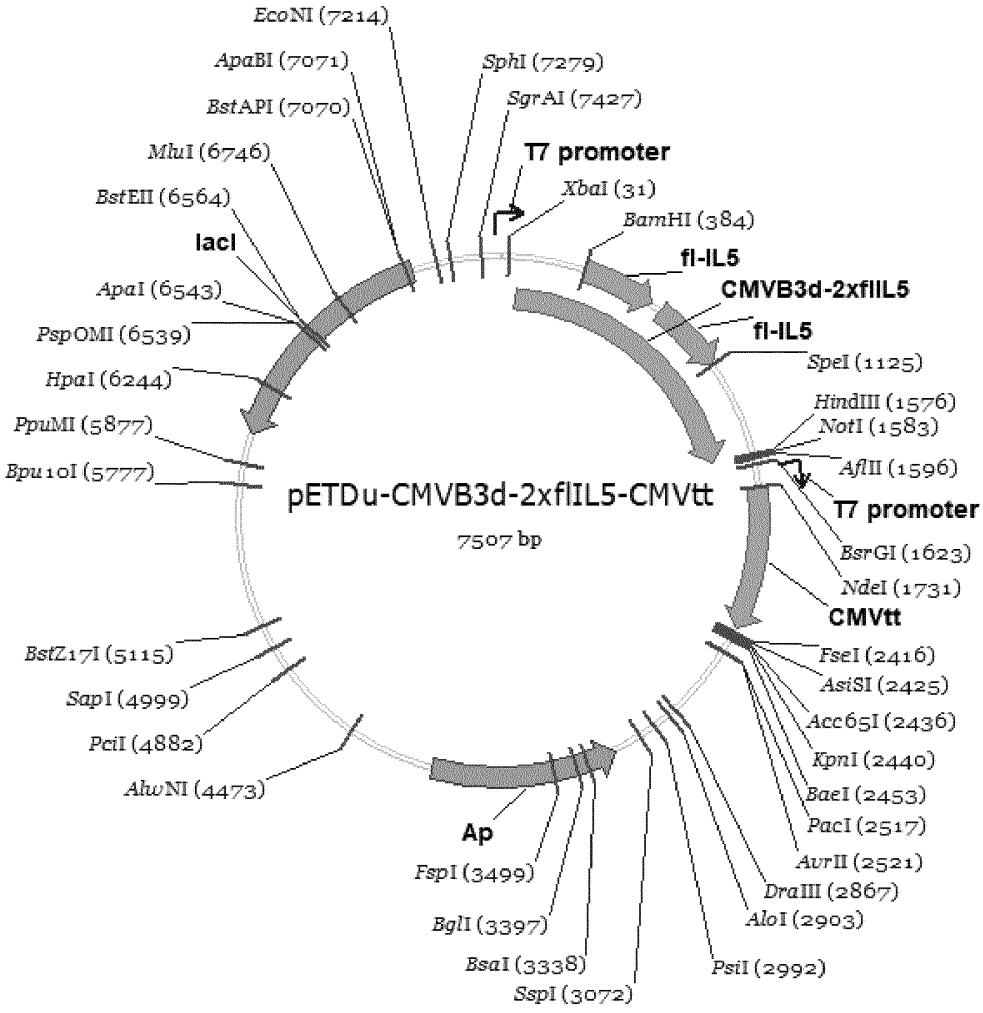

pETDu-CMVB3d-2xflIL5-CMVtt
7507 bp
EcoNI (7214)
ApaBI (7071)
BstAPI (7070)
MluI (6746)
BstEII (6564)
lacI
ApaI (6543)
PspOMI (6539)
HpaI (6244)
PpuMI (5877)
Bpu10I (5777)
BstZ17I (5115)
SapI (4999)
PciI (4882)
AlwNI (4473)
Ap
FspI (3499)
BglI (3397)
BsaI (3338)
SspI (3072)
PsiI (2992)
AloI (2903)
DraIII (2867)
AvrII (2521)
PacI (2517)
BaeI (2453)
KpnI (2440)
Acc65I (2436)
AsiSI (2425)
FseI (2416)
CMVtt
NdeI (1731)
BsrGI (1623)
T7 promoter
AflII (1596)
NotI (1583)
HindIII (1576)
SpeI (1125)
fl-IL5
CMVB3d-2xflIL5
fl-IL5
BamHI (384)
XbaI (31)
T7 promoter
SgrAI (7427)
SphI (7279)

FIG. 24

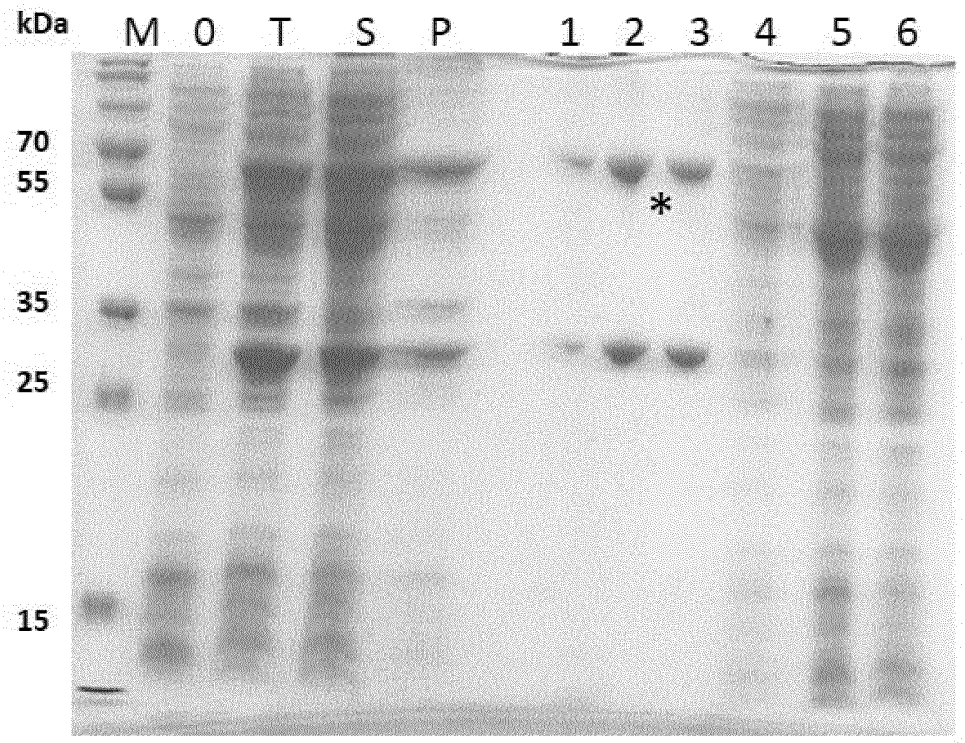



FIG. 25

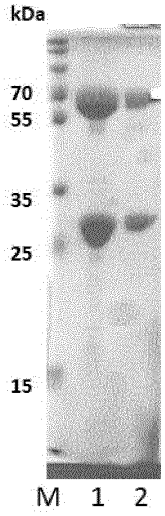



FIG. 26A

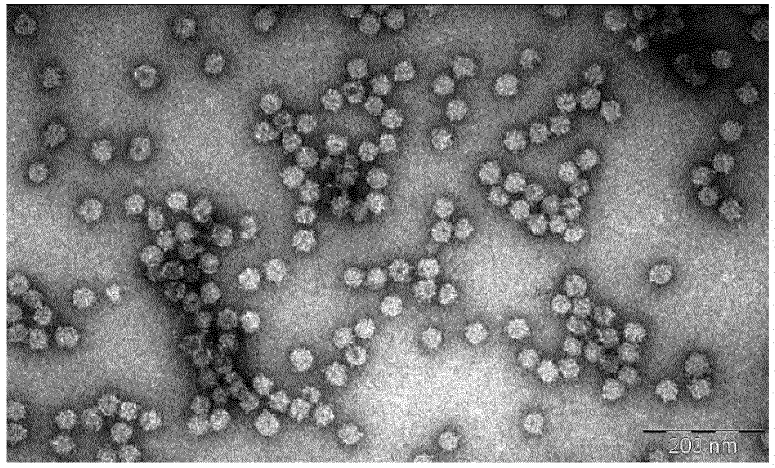



FIG. 26B

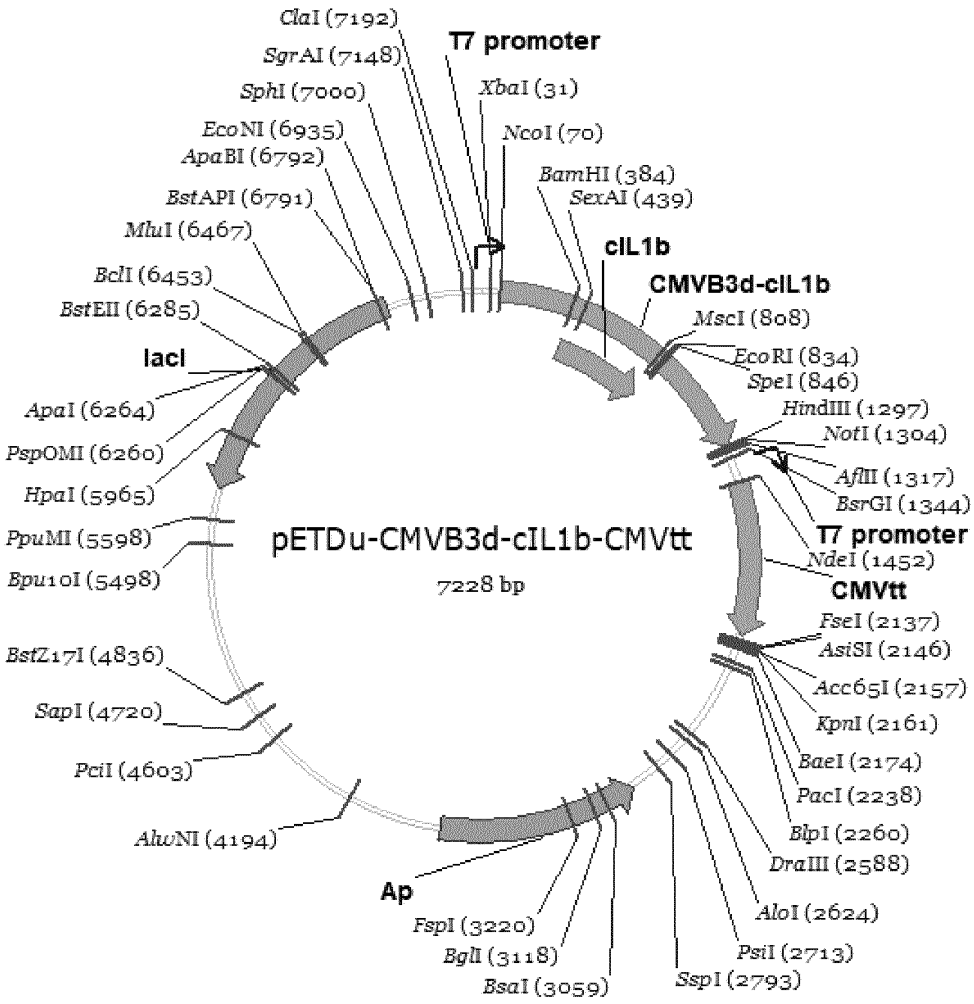

pETDu-CMVB3d-cIL1b-CMVtt
7228 bp
T7 promoter
cIL1b
CMVB3d-cIL1b
T7 promoter
CMVtt
lacI
Ap
ClaI (7192)
SgrAI (7148)
SphI (7000)
EcoNI (6935)
ApaBI (6792)
BstAPI (6791)
MluI (6467)
BclI (6453)
BstEII (6285)
ApaI (6264)
PspOMI (6260)
HpaI (5965)
PpuMI (5598)
Bpu10I (5498)
BstZ17I (4836)
SapI (4720)
PciI (4603)
AlwNI (4194)
FspI (3220)
BglI (3118)
BsaI (3059)
Ssp I (2793)
PsiI (2713)
AloI (2624)
DraIII (2588)
BlpI (2260)
PacI (2238)
BaeI (2174)
KpnI (2161)
Acc65I (2157)
AsiSI (2146)
FseI (2137)
NdeI (1452)
BsrGI (1344)
AflII (1317)
NotI (1304)
HindIII (1297)
SpeI (846)
EcoRI (834)
MscI (808)
XbaI (31)
NcoI (70)
BamHI (384)
SexAI (439)

FIG. 27

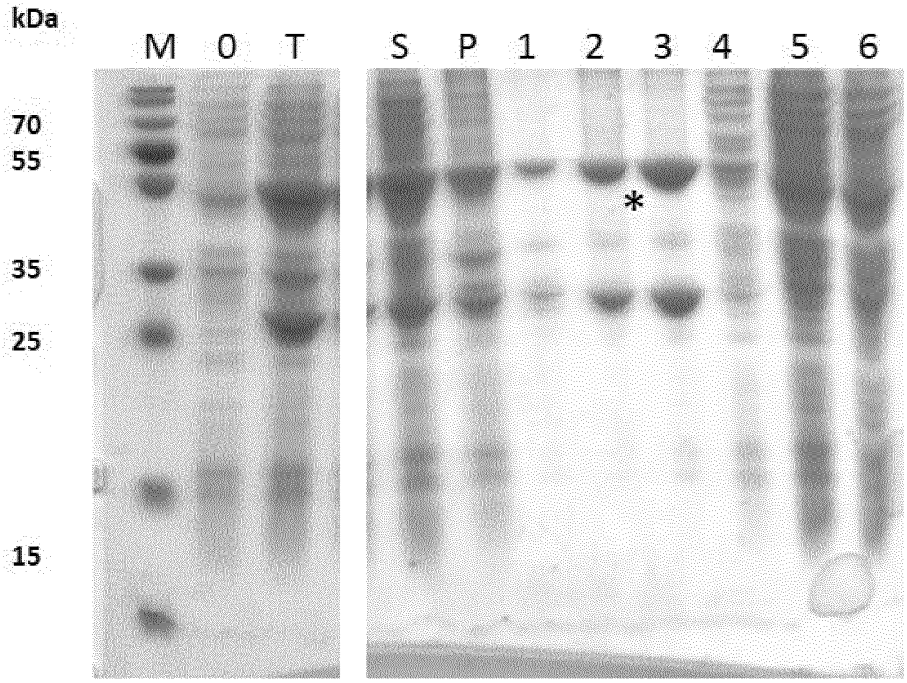



FIG. 28

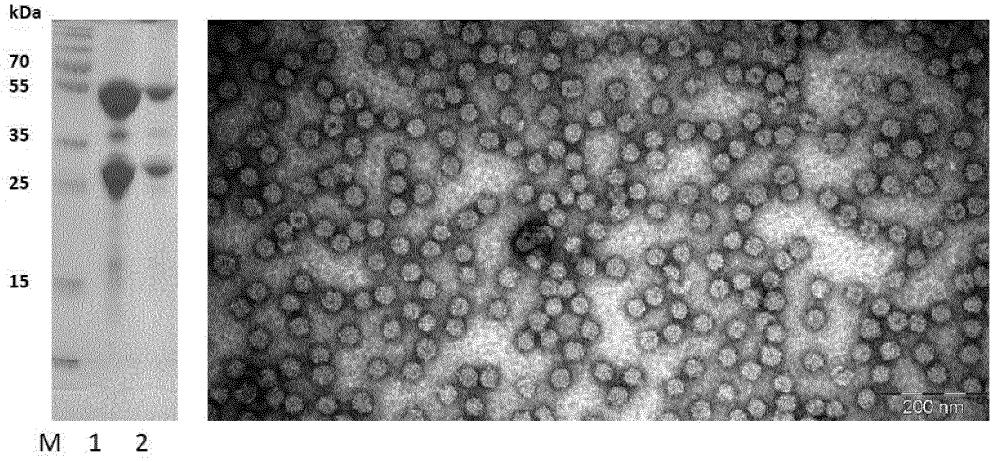



FIG. 29A FIG. 29B