Invitrogen™
life technologies

5´ end of hCMV promoter

```
201  CTGCTTCGCG ATGTACGGGC CAGATATACG CGTTGACATT GATTATTGAC TAGTTATTAA TAGTAATCAA TTACGGGGTC
```

CMV enhancer region (5´end)

```
281  ATTAGTTCAT AGCCCATATA TGGAGTTCCG CGTTACATAA CTTACGGTAA ATGGCCCGCC TGGCTGACCG CCCAACGACC

361  CCCGCCCATT GACGTCAATA ATGACGTATG TTCCCATAGT AACGCCAATA GGGACTTTCC ATTGACGTCA ATGGGTGGAC

441  TATTTACGGT AAACTGCCCA CTTGGCAGTA CATCAAGTGT ATCATATGCC AAGTACGCCC CCTATTGACG TCAATGACGG

521  TAAATGGCCC GCCTGGCATT ATGCCCAGTA CATGACCTTA TGGGACTTTC CTACTTGGCA GTACATCTAC GTATTAGTCA

601  TCGCTATTAC CATGGTGATG CGGTTTTGGC AGTACATCAA TGGGCGTGGA TAGCGGTTTG ACTCACGGGG ATTTCCAAGT
```

CMV enhancer region (3´end)

```
681  CTCCACCCCA TTGACGTCAA TGGGAGTTTG TTTTGGCACC AAAATCAACG GGACTTTCCA AAATGTCGTA ACAACTCCGC
```

CAAT TATA 3´end of hCMV promoter Putative transcriptional start

```
761  CCCATTGACG CAAATGGGCG GTAGGCGTGT ACGGTGGGAG GTCTATATAA GCAGAGCTCT CTGGCTAACT AGAGAACCCA
```

T7 promoter/priming site *Nhe* I *Pme* I* *Afl* II *Hin*d III

```
841  CTGCTTACTG GCTTATCGAA ATTAATACGA CTCACTATAG GGAGACCCAA GCT GGC TAG CGT TTA AAC TTA AGC
                                                          Gly *** Arg Leu Asn Leu Ser
```

*Acc*65 I *Kpn* I *Bam*H I *Bst*X I* *Eco*R I *Pst* I *Eco*R V *Bst*X I* *Not* I

```
915  TTG GTA CCG AGC TCG GAT CCA CTA GTC CAG TGT GGT GGA ATT CTG CAG ATA TCC AGC ACA GTG GCG
     Leu Val Pro Ser Ser Asp Pro Leu Val Gln Cys Gly Gly Ile Leu Gln Ile Ser Ser Thr Val Ala
```

Xho I *Bst*E II *Sfu* I V5 epitope

```
981  GCC GCT CGA GGT CAC CCA TTC GAA GGT AAG CCT ATC CCT AAC CCT CTC CTC GGT CTC GAT TCT ACG
     Ala Ala Arg Gly His Pro Phe Glu Gly Lys Pro Ile Pro Asn Pro Leu Leu Gly Leu Asp Ser Thr
```

Age I Polyhistidine tag *Pme* I* BGH Reverse priming site

```
1047 CGT ACC GGT CAT CAT CAC CAT CAC CAT TGA GTTT AAACCCGCTG ATCAGCCTCG ACTGTGCCTT CTAGTTGCCA
     Arg Thr Gly His His His His His His ***
```

BGH polyadenylation signal

```
1121 GCCATCTGTT GTTTGCCCCT CCCCCGTGCC TTCCTTGACC CTGGAAGGTG CCACTCCCAC TGTCCTTTCC TAATAAAATG

1201 AGGAAATTGC ATCGCATTGT CTGAGTAGGT GTCATTCTAT TCTGGGGGGT GGGGTGGGGC AGGACAGCAA GGGGGAGGAT
```