

771 CAAT CAAATGGGCG GTAGGCGTGT ACGGTGGGAG GTCTATATAA GCAGAGCTCT CTGGCTAACT
TATA 3' end of CMV promoter Putative transcriptional start

831 AGAGAACCCA CTGCTTACTG GCTTATCGAA ATTAATACGA CTCACTATAG GGAGACCCAA
922 T7 promoter/priming site

891 GCTGGCTAGT TAAGCTGAGC ATCAACAAGT TTGTACAAAA AAGCAGGCTN _ _ _ _ _ NAC
attB1 TAGTTGTTCA AACATGTTTT TTCGTCCGAN GENE NTG

2597 2605 attB2
CCA GCT TTC TTG TAC AAA GTG GTT GAT GCT GTT AAC GGG AAG CCT ATC
GGT CGA AAG AAC ATG TTT CAC CAA CTA CGA CAA TTG CCC TTC GGA TAG
 Pro Ala Phe Leu Tyr Lys Val Val Asp Ala Val Asn Gly Lys Pro Ile

V5 epitope
 2645 CCT AAC CCT CTC CTC GGT CTC GAT TCT ACG CGT ACC GGT GCT GGT GGC
 GGA TTG GGA GAG GAG CCA GAG CTA AGA TGC GCA TGG CCA CGA CCA CCG
 Pro Asn Pro Leu Leu Gly Leu Asp Ser Thr Arg Thr Gly Ala Gly Gly

TC-Tag
 2693 TGT TGT CCT GGC TGT TGC GGT GGC GGC TAG TAA TGA GTTTAAACGG
 ACA ACA GGA CCG ACA ACG CCA CCG CCG ATC ATT ACT
 Cys Cys Pro Gly Cys Cys Gly Gly Gly *** *** ***

TK polyA Reverse priming site
 2739 GGGAGGCTAA CTGAAACACG GAAGGAGACA ATACCGGAAG GAACCCGCGC TATGACGGCA