

491 CTTATCGCGC CTATAAATAC AGCCCCGAAC GATCTGGTAA ACACAGTTGA ACAGCATCTG TTCGAATTTA
 TATA Box OpIE2 Forward priming site Start of transcription

561 AAGCTT GGT ACC GAG CTC GGA TCC ACT AGT CCA GTG TGG TGG AAT TCT GCA GAT
 Gly Thr Glu Leu Gly Ser Thr Ser Pro Val Trp Trp Asn Ser Ala Asp
 Sac I Acc65 I Kpn I Ecl136 II Spe I EcoR I EcoR V

615 ATC CAG CAC AGT GGC GGC CGC TCG AGT CTA GAG GGC CCG CGG TTC GAA GGT AAG
 Ile Gln His Ser Gly Gly Arg Ser Ser Leu Glu Gly Pro Arg Phe Glu Gly Lys
 Not I Xba I Dra II Sac II

669 CCT ATC CCT AAC CCT CTC CTC GGT CTC GAT TCT ACG CGT ACC GGT CAT CAT CAC
 Pro Ile Pro Asn Pro Leu Leu Gly Leu Asp Ser Thr Arg Thr Gly His His His
 V5 epitope 6xHis tag

723 CAT CAC CAT TGA GTTTAT CTGACTAAAT CTTAGTTTGT ATTGTCATGT TTTAATACAA TATGTTATGT
 His His His *** OpIE2 Reverse priming site

791 TTAAATATGT TTTTAATAAA TTTTATAAAA TAATTTCAAC TTTTATTGTA ACAACATTGT CCATTTACAC
 OpIE2 polyadenylation signal
 3' untranslated region of OpIE2

861 ACTCCTTTCA AGCGGTGGG ATCGATGCTC ACTCAAAGGC GGTAATACGG TTATCCACAG AATCAGGGGA