



ATTAGTCATCGCTATTACCATGGTGATGCGGTTTTGGCAGTACACCAATGGGCGTGGATAGCGGTTTTGACTCACG
 TAATCAGTAGCGATAATGGTACCACTACGCCAAAACCGTCATGTGGTTACCCGCACCTATCGCCAAACTGAGTGC
 CMV enhancer CMV promoter

GGGATTTCCAAGTCTCCACCCATTGACGTCAATGGGAGTTTGTGTTTGGCACCAAAATCAACGGGACTTTCCAAA
 CCCTAAAGGTTTCAAGAGGTGGGGTAACTGCAGTTACCCCTCAAACAAAACCGTGGTTTTAGTTGCCCTGAAAGGTTT
 CMV promoter

ATGTCGTAATAACCCCGCCCCGTTGACGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGC
 TACAGCATTATTGGGGCGGGGCAACTGCGTTTACCCGCCATCCGCACATGCCACCCTCCAGATATATTCGTCTCG
 CMV promoter

TCGTTTAGTGAACCGTCAGAATTAACCATGGACTACAAAGACCATGACGGTGATTATAAAGATCATGACATCGAT
 AGCAAATCACTTGGCAGTCTTAATTGGTACCTGATGTTTCTGGTACTGCCACTAATATTTCTAGTACTGTAGCTA
 1 Asp Tyr Lys Asp His Asp Gly Asp Tyr Lys Asp His Asp Ile Asp
 3xFLAG

HindIII NotI EcoRI BglII EcoRV KpnI XbaI
 TACAAGGATGACGATGACAAGCTTGC GGCCGCGAATTCATCGATAGATCTGATATCGGTACCAGTCGACTCTAGA
 ATGTTCTACTGCTACTGTTTGAACGCCGGCGCTTAAGTAGCTATCTAGACTATAGCCATGGTCAGCTGAGATCT
 20 Tyr Lys Asp Asp Asp Lys Leu Ala Ala Ala Asn Ser Ser Ile Asp Leu Ile Ser Val Pro Val Asp Ser Arg
 3xFLAG (in frame with 3xFLAG)
 MCS

BamHI
 GGATCCCGGGTGGCATCCCTGTGACCCCTCCCAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTCCAGTGCCAC
 CCTAGGGCCACCGTAGGGACACTGGGGAGGGTTCACGGAGAGGACCGGGACCTTCAACGGTGAGGTCACGGGTG
 Gly Ser Arg Val Ala Ser Leu *
 (in frame with 3xFLAG)
 MCS hGH poly(A) signal