

CβS/FLAG = CβF

Constructed by Cole lab. Questions to mcole@molbio.princeton.edu.

The CMV promoter segment starts at 91 (XbaI). The CMV transcription start site is at 784. The β-globin splice donor is at 879, the splice acceptor is at 1453. The Bovine Growth Hormone polyadenylation site is at 1725-1731. The plasmid backbone is Bluescript SK+. The M13 origin rescues the coding strand of the insert and hence one needs antisense oligos to introduce mutations. The sequence of the 5' UTR is 175 bases long.

TCAGATCGCCTGGAGACGCCATCCACGCTGTTTTGACCTCCATAGAAGACACCGGGACCGATCCAGCCTCCGTCGACCGA  
 TCCTGAGAACTTCAGG (splice) CTCCTGGGCAACGTGACGGTTGTTGTGCTGTCTCATCATTTTGGCAAAGAATTCTCT  
 CGACGGATCCCCACCATGGACTACAAGGACGATGATGACAAGCCCGGGCTGCAGGAATTTCGATATCAAGCTTATCGAT  
 (BamHI) M D Y K D D D D K P G (SmaI, PstI, EcoRV, HindIII, ClaI)  
 (NcoI) ←-----FLAG-----→

Plasmid is amp-resistant   
  
 No selection for human cell transfections

