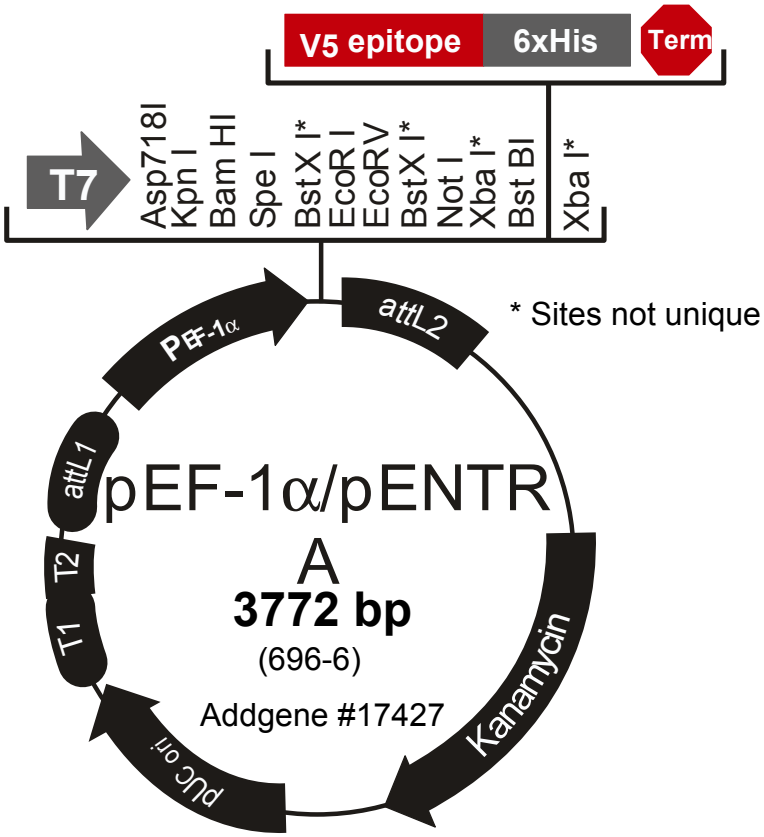


rrnB T1 transcription termination sequence: bases 106-149
rrnB T2 transcription termination sequence: bases 281-308
attL1: bases 358-457 (complementary strand)
Elongation Factor 1 alpha (EF-1a) promoter: bases 614-1766
Multiple Cloning Site (MCS): bases 1828-1915
V5 tag: bases 1920-1961
Poly-His: bases 1971-1988
Translation stop codon: bases 1989-1991
attL2: bases 2002-2102
Kanamycin resistance gene: bases 2224-3033
pUC origin: bases 3142-3769

EF-1α forward priming site
3´end of hEF-1α Intron 1
GTTTGGATCT TGGTTCATTC TCAAGCCTCA GACAGTGGTT CAAAGTTTTT TTCTTCCATT TCAGGTGTCG TGAGGAATTA
5´ end of hEF-1α Exon 2

T7 promoter/priming site
Asp718 I
Kpn I
Bam HI
Spe I
GCTTGGTACT AATACGACTC ACTATAGGGA GACCCAAGCT GGCTAGTTAA GCT TGG TAC CGA GCT CGG ATC CAC
Trp Tyr Arg Ala Arg Ile His

Bst XI*
EcoR I
EcoR V
BstX I*
Not I
Xba I*
TAG TCC AGT GTG GTG GAA TTC TGC AGA TAT CCA GCA CAG TGG CGG CCG CTC GAG TCT AGA GGG CCC
*** Ser Ser Val Val Glu Phe Cys Arg Tyr Pro Ala Gln Trp Arg Pro Leu Glu Ser Arg Gly Pro

Bst BI
V5 epitope
Polyhistidine region
TTC GAA GGT AAG CCT ATC CCT AAC CCT CTC CTC GGT CTC GAT TCT ACG CGT ACC GGT CAT CAT CAC
Phe Glu Gly Lys Pro Ile Pro Asn Pro Leu Leu Gly Leu Asp Ser Thr Arg Thr Gly His His His

att L2
Xba I*
CAT CAC CAT TGA GTTTATCTAG ACCCAGC
His His His ***

Eric Campeau October 2004