

pMT/V5-His C

Metallothionein promoter

Primer sites

Multiple cloning site

C-terminal tag



└─ 5' end of metallothionein promoter

411 CGTTGCAGGA CAGGATGTGG TGCCCGATGT GACTAGCTCT TTGCTGCAGG CCGTCCTATC

Metal regulatory region

471 CTCTGGTTCC GATAAGAGAC CCAGAACTCC GGCCCCCAC CGCCACCCGC CACCCCCATA

Metal regulatory region

531 CATATGTGGT ACGCAAGTAA GAGTGCCTGC GCATGCCCCA TGTGCCCCAC CAAGAGTTTT

region

591 GCATCCCATA CAAGTCCCCA AAGTGGAGAA CCGAACCAAT TCTTCGCGGG CAGAACAAAA

Metal regulatory regions

651 GCTTCTGCAC ACGTCTCCAC TCGAATTGG AGCCGCGCCG CGTGTGCAAA AGAGGTGAAT

Metal regulatory region

711 CGAACGAAAG ACCCGTGTGT AAAGCCGCGT TTCCAAAATG TATAAAACCG AGAGCATCTG

Metal regulatory regions

771 GCCAATGTGC ATCAGTTGTG GTCAGCAGCA AAATCAAGTG AATCATCTCA GTGCAACTAA

MT Forward priming site

831 AGGGGGGATC TAGATCGGGG TAC CTA CTA GTC CAG TGT GGT GGA ATT CTG CAG ATA

Xba I[#] Kpn I Spe I BstX I* EcoR I EcoR V

887 TCC AGC ACA GTG GCG GCC GCT CGA GGT CAC CCA TTC GAA GGT AAG CCT ATC CCT

BstX I* Not I Xho I BstE II BstB I V5 epitope

941 AAC CCT CTC CTC GGT CTC GAT TCT ACG CGT ACC GGT CAT CAT CAC CAT CAC CAT

Age I Polyhistidine region

995 TGA GTT TAAACCCGCT GATCAGCCTC GACTGTGCCT TCTAAGATCC AGACATGATA AGATACATTG

Pme I BGH Reverse priming site

1061 ATGAGTTTGG ACAAACCACA ACTAGAATGC AGTGAAAAA ATGCTTTATT TGTGAAATTT

SV40 late polyadenylation signal

1121 GTGATGCTAT TGCTTTATTT GTAACCATTA TAAGCTGCAA TAAACAAGTT AACACAACAA

This Xba I site is *dam* methylated in certain strains of *E. coli*.

*Please note that there are two BstX I sites in the polylinker.

Boxed nucleotides indicate variable region.

C-000419