

Product datasheet for **MC206843**

Mt1 (BC027262) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mt1 (BC027262) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mt1
Synonyms: Mt-1; MT-I
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >MC206843 representing BC027262.
 Blue=ORF Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**GCGATCGCC**
ATGGACCCAACTGCTCCTGCTCCACCGGGGCTCCTGCCTTGACACCAGCTCCTGCGCCTGCAAGAAC
TGCAAGTGCACCTCCTGCAAGAAGAGTGAGTTGGGACACCTTGGGTGGCGGCTAAGGCTAGGGGCGGGG
AACTCCTACAAACTGGCTCTGAGAAATGCTCTTGTCTCCCGGAGGCCATTGTATTGTCTCGGGGACA
GAACTATACAGAGAACTATTTAAAAAACCGAGGTCTTCTCTGTTGGGGACAGGAAGCAGAGGTCTTCA
GCCAGGCTGACCTCTTCTCCTCTTTCTAGGCTGCTGCTCCTGCTGTCCCGTGGGCTGCTCCAAATGT
GCCCAGGGCTGTGTCTGCAAAGGCGCCGCGGACAAGTGCACGTGCTGTGCCTGA****
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI
ACCN: BC027262
Insert Size: 399 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).



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Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [BC027262](#)

RefSeq Size: 673 bp

RefSeq ORF: 398 bp

Locus ID: 17748

Cytogenetics: 8 46.34 cM

MW: 13.8 kDa

Gene Summary: Metallothioneins have a high content of cysteine residues that bind various heavy metals; these proteins are transcriptionally regulated by both heavy metals and glucocorticoids. [UniProtKB/Swiss-Prot Function]