

Product datasheet for **SC126439**

MT1G (BC020757) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MT1G (BC020757) Human Untagged Clone
Tag: Tag Free
Symbol: MT1G
Synonyms: metallothionein 1G; metallothionein 1K; MGC12386; MT1; MT1K
Vector: pCMV6-XL5
E. coli Selection: Ampicillin (100 ug/mL)
Cell Selection: None
Fully Sequenced ORF: >OriGene sequence for BC020757 edited

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ACTCCGCCTTCCACGTGCACCCACTGCCTTCCCTTCTCGCTTGGAACTCTAGTCTCG
CCTCGGGTTGCAATGGACCCCACTGCTCCTGTGCCGCTGCAGGTGTCTCCTGCACCTGC
GCCAGCTCCTGCAAGTGCAAAGAGTGCAAATGCACCTCCTGCAAGAAGAGCTGCTGCTCC
TGCTGCCCTGTGGGCTGTGCAAGTGTGCCAGGGCTGCATCTGCAAAGGGGCATCGGAG
AAGTGCAGCTGCTGCGCCTGATGTCCGGACAGCCCTGCTCCCAAGTACAAATAGAGTGAC
CCGTAAAATCCAGGATTTTTTGTGTTTTTGTACAATCTTGACCCCTTTGTACATTCTT
TTTTTCTGTGAAATATGTGAATAATAATTAACACTTAGACTGGAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for BC020757 unedited

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NGGGCAGGATTTGTAAACGACTCACTATAGGCGGCGCGGAATTCGCCATTACGGCCGGG
GACTCCGCCTTCCACGTGCACCCACTGCCTTCCCTTCTCGCTTGGAACTCTAGTCTC
GCCTCGGGTTGCAATGGACCCCACTGCTCCTGTGCCGCTGCAGGTGTCTCCTGCACCTG
CGCCAGCTCCTGCAAGTGCAAAGAGTGCAAATGCACCTCCTGCAAGAAGAGCTGCTGCTC
TGCTGCCCTGTGGGCTGTGCAAGTGTGCCAGGGCTGCATCTGCAAAGGGGCATCGGA
GAAGTGCAGCTGCTGCGCCTGATGTCCGGACAGCCCTGCTCCCAAGTACAAATAGAGTGA
CCGTAAAATCCAGGATTTTTTGTGTTTTGCTACAATCTTGACCCCTTTGTACATTCTT
TTTTTCTGTGAAATATGTGAATAATAATTAACACTTAGACTGGAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAAAAAACATGTGCGGCCGCTCGGCCCTCGACTCTAGATTGCGGCCGCGGT
CATAGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCAGTGCCCTCT
CCTGGCCCTGGAAGTTGCCACTCCAGTCCCACCAGCCTGTGCTAATAAAATTAAGTTG
CATCATTTTGTCTGACTAGGTGCTCTTATAATATTATGGGGTGGGAGGGGTGGGATG
GGANCAAGGGGCAANTTNGGAAAACAAACCTGAGGGGCTGCGGGGTCTATGGGAAACCA
GCTGGAGTGCGGGGGCAATCTGGGCTCCTGGGATCTCCGCCCGGGGTTAAAGCGATC
TCTGCTTAACCTCCCAGTTGTGGGATTCCAGGCTGCTGACCAGGCCTAACTAATTT
TTGTTTTTGGGAAAACGGGTTGCACCCAATGG
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Restriction Sites: Please inquire



[View online »](#)

ACCN:	BC020757
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).
Reconstitution Method:	<ol style="list-style-type: none">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:	<u>BC020757.1</u> , <u>AAH20757.1</u>
RefSeq Size:	434 bp
Locus ID:	4495
Cytogenetics:	16q13
Protein Families:	Stem cell - Pluripotency
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]