

## Product datasheet for **SC126122**

### MT1H (BC008408) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MT1H (BC008408) Human Untagged Clone
Tag:	Tag Free
Symbol:	MT1H
Synonyms:	metallothionein 1H; MGC70702; MT1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC008408 edited ACCACGCCCTCCACGTGTTCCACTGCCTCTTCTCTTCGCTTGGGAAGCTCCAGTCTCAC CTCGGCTTGCAATGGACCCCAACTGCTCCTGCGAGGCTGGTGGCTCCTGCGCCTGCGCCG GCTCCTGCAAGTGCAAGAAGTGCAAATGCACCTCCTGCAAGAAGAGCTGCTGCTCCTGTT GCCCCCTGGGCTGTGCCAAGTGTGCCAGGGCTGCATCTGCAAAGGGGCGTCAGAGAAGT GCAGCTGCTGTCCTGATGTCGGGACAGCCCTGCTGTCAGATGAAAACAGAATGACACGT AAAATCCAGGATTTTTTTTTTTTCTACAACCTCCGACTCATTTGCTACATTCTTTTTTTCT GTGAAATATGTGAATAATAATTAACACTTAGACCAAAAAAAAAAAAAAAAAAAAAAAAAAA AA



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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for BC008408 unedited TCATATTTGTAACACTCATATAGGCGGCCGTAATTCGCCATTACGGCCGGGACCACG CCCTCCACGTGTTCCACTGCCTTCTCTTCTCGCTTGGGAACTCCAGTCTCACCTCGGC TTGCAATGGACCCCAACTGCTCCTGCGAGGCTGGTGGCTCCTGCGCCTGCGCCGGCTCCT GCAAGTGAAGAAGTCAAATGCACCTCCTGCAAGAAGAGCTGCTGCTCCTGTTGCCCC TGGGCTGTGCCAAGTGTCCCAAGGCTGCATCTGCAAAGGGGCGTCAGAGAAGTGCAGCT GCTGTGCCTGATGTCGGACAGCCCTGCTGTCAGATGAAAACAGAATGACACGTAATAATC CAGGATTTTTTTTTTCTACAACCTCCGACTCATTGCTACATTCCTTTTTTCTGTGAAA TATGTGAATAATAATTAACACTTAGACCAAAAAAAAAAAAAAAAAAAAAAAAAAACATG TCGGCCGCTCGGCCCTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAG ATCCCGGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTCTCCTGGCCCTGGAAGTTGCCA CTCCAGTGCCACCAGCCTTGTCTAATAAAAATTAAGTTGCATCATTTTGTCTGACTAGG TGTCTTCTATAATATTATGGGGTGAGGGGGTGGTAATGGAACAAAGGGCAAANTTTT AAAAAAAAAACTGGTAGGGCTGCCGTTCTATTGGAAACCAACTGGGATGCAGTGGCA CAAATCTTGGGCTCATGGATTCTCCCCCTCCCGGGTTAAACGATTCTCCTGGCTAAACC CCCCGAATTGGTGGGATTCCCCAGCTGCGTGAACCAAGCCTAAAATAATTTTTTTTTTTTT TGGAAAAACCGGGTTACCCATTTGGGCCAGCGGGGTTCCCACTCTAATCCGGGG GGACTCCCCCCTTGC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	BC008408
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">BC008408.1</a> , <a href="#">AAH08408.1</a>
<b>RefSeq Size:</b>	422 bp
<b>Locus ID:</b>	4496
<b>Cytogenetics:</b>	16q13
<b>Gene Summary:</b>	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]