

## Product datasheet for **SC106963**

### MT1F (NM\_005949) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	MT1F (NM_005949) Human Untagged Clone
Tag:	Tag Free
Symbol:	MT1F
Synonyms:	MT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_005949 edited ATGGACCCCAACTGCTCCTGCGCCGCTGGTGTCTCCTGCACCTGCGCTGGTTCTGCAAG TGCAAAGAGTGCAAATGCACCTCCTGCAAGAAGAGCTGCTCCTGCTGCCCGTGGGC TGTAGCAAGTGTGCCAGGGCTGTGTTTCAAAGGGGCGTCAGAGAAGTGCAGCTGCTGC GACTGA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_005949 unedited GCGGCCGCGAATTCGGCACGAGGGAAAGTCCAGTCTCTCCTCGGCTTGAATGGACCCCA ACTGCTCCTGCGCCGCTGGTGTCTCCTGCACCTGCGCTGGTTCTGCAAGTGCAAAGAGT GCAAATGCACCTCCTGCAAGAAGAGCTGCTGCTCCTGCTGCCCGTGGGCTGTAGCAAGT GTGCCCAGGGCTGTGTTTCAAAGGGGCGTCAGAGAAGTGCAGCTGCTGCGACTGATGCC AGGACAACCTTTCTCCCAGATGTAACAGAGAGACATGTACAAACCTGGATTTTTTTTTT ATACCACCTTGACCCATTTGCTACATTCCTTTTCTGTGAAATATGTGAGTGATAATTAA ACACTTTAGACCTGANNAAA AAANNTAAATTA AAAAAAGAAACAAAAAAAAAAAAAATAATAAAAAAAAAAAAAANGGGGAGGAAAACCTTAA AACCCNCCCCTTTTTTTTTTTTGGGGGGGGGGTTTTATTTTTTTTCAACAAAACCTC GGGGGGGAAATTTGGGCCCCCTCCGGGTCTTTGCGGGGCCGAAAAANAACACGG GGCGCGCGCGGTTTTTAAAAAAAAAAAAAGGGGGAATTTTTTTGGGGAGGGCGGGCG CTTATTATA
Restriction Sites:	NotI-NotI
ACCN:	NM_005949
Insert Size:	560 bp



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<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="#">NM_005949.1</a> , <a href="#">NP_005940.1</a>
<b>RefSeq Size:</b>	468 bp
<b>RefSeq ORF:</b>	186 bp
<b>Locus ID:</b>	4494
<b>UniProt ID:</b>	<a href="#">P04733</a>
<b>Cytogenetics:</b>	16q13
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript but encodes the longer isoform (1).</p>