

Product datasheet for SC122732

MT1H (NM_005951) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MT1H (NM_005951) Human Untagged Clone
Tag: Tag Free
Symbol: MT1H
Synonyms: MT-0; MT-1H; MT-IH; MT1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)
Fully Sequenced ORF: >OriGene sequence for NM_005951 edited
 ACCACGCCCTCCACGTGTTCCACTGCCTCTTCTCTCGCTTGGGAAGTCCAGTCTCAC
 CTCGGCTTGCAATGGACCCCACTGCTCCTGCGAGGCTGGTGGCTCCTGCGCCTGCGCCG
 GCTCCTGCAAGTCAAGAAGTGCAAATGCACCTCCTGCAAGAAGAGCTGCTGCTCCTGTT
 GCCCCCTGGGCTGTGCCAAGTGTGCCAGGGCTGCATCTGCAAAGGGGCGTCAGAGAAGT
 GCAGCTGCTGTGCCTGATGTGCGGACAGCCCTGCTGCAGATGAAAACAGAATGACACGT
 AAAATCCAGGATTTTTTTTTTTTCTACAACCTCCGACTCATTTGCTACATTCCTTTTTTTCT
 GTGAAATATGTGAATAATAATTAACACTTAGACCAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_005951 unedited
 GGGAGGTCAAAATTTGTAACGACTCACTATAGGCGGCCGGAATTCGCCATTACGGCCG
 GGACCACGCCCTCCACGTGTTCCACTGCCTCTTCTCTTCTCGCTTGGGAAGTCCAGTCTC
 ACCTCGGCTTGCAATGGACCCCACTGCTCCTGCGAGGCTGGTGGCTCCTGCGCCTGCGC
 CGGCTCCTGCAAGTCAAGAAGTGCAAATGCACCTCCTGCAAGAAGAGCTGCTGCTCCTG
 TTGCCCCCTGGGCTGTGCCAAGTGTGCCAGGGCTGCATCTGCAAAGGGGCGTCAGAGAA
 GTGCAGCTGCTGTGCCTGATGTGCGGACAGCCCTGCTGCAGATGAAAACAGAATGACAC
 GTAAAATCCAGGATTTTTTTTTTTTCTACAACCTCCGACTCATTTGCTACATTCCTTTTTTT
 CTGTGAAATATGTGAATAATAATTAACACTTAGACCAANNAAAAAAAAAAAAAAAAAAAAAA
 AAAACCTGTTCCGGCCGCTCGGCCCTCGACTCTAGATTGCGGCCGCGGTCATAGCTGTT
 TCCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTCTCCTGGCCCTG
 GAAGTTGCCACTCCAGTGCCACACAGCCTGTCTTAATAAAATTAAGTTGCATCATTTTG
 TCTGACTAGGTGCTCTTATAATATTATGGGGTGGAGGGGTGGTAATTGGACCAAGG
 GCCAGTTGGGAAAAACACTGTAGGGCTGCGGGGTCTATTGGGAACCAAGCTGGAGTGC
 AGTGGCCCAATCTTTGCTCACTGCAATCTCCGCCCTCTGGGTTAAGCGAATTTCTGCC
 TAAACCCCCAGTTTTGGGGATTCCCGCATGCTTGAACAGGCTCAACTAAATTTGTT
 TTTG



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Restriction Sites:	Please inquire
ACCN:	NM_005951
Insert Size:	422 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).
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>NM_005951.1</u> , <u>NP_005942.1</u>
RefSeq Size:	367 bp
RefSeq ORF:	186 bp
Locus ID:	4496
UniProt ID:	<u>P80294</u>
Cytogenetics:	16q13
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]