

Product datasheet for **SC125618**

MT1X (BC032131) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MT1X (BC032131) Human Untagged Clone
Tag:	Tag Free
Symbol:	MT1X
Synonyms:	metallothionein 1X; MT-1I; MT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC032131 edited CATCTGTCCCGCTGCGTGTTCCTCTTGATCGGGAACCTCCTGCTTCTCCTTGCCTCGAA ATGGACCCCAACTGCTCCTGCTCGCTGTGGCTCCTGTGCCTGTGCCGGCTCCTGCAAA TGCAAAGAGTGCAAATGCACCTCCTGCAAGAAGAGTGAGTGCAGGCCTTCCCTGCGAAT CTGGGGGATGGGCAATTTAGAGCAGGGAACCCAGAGCTCTGCAGGCAGGGCAGGCCAA TGACCAGCTTCCCAAACCCCTCCTTCAACACCTGATTCAGAATCAGACCTCAAATTGCC TTAAAAATGGGCTGCTGCTCCTGCTGCCCTGTGGGCTGTGCCAAGTGTGCCCAGGGCTGC ATCTGCAAAGGGACGTCAGACAAGTGCAGCTGCTGTGCCTGATGCCAGGACAGCTGTGCT CTCAGATGTAATAGAGCAACCTATATAAACCTGGATTTTTTTTTTTTTTTGTACAACCT GACCCGTTTGCTACATCTTTTTTCTATGAAATATGTGAATGGCAATAAATTCATCTAGA CTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA



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5' Read Nucleotide Sequence:	>OriGene 5' read for BC032131 unedited CCCCCGTGAGATTTTGTAAACGACTCACTATAGGCGGCCGCGCAATTCGCACGAGGCATC TGTCCTGCTGCGTGTTCCTCTTGGTGGGGAACCTCTGCTTCTCCTTGCCTCGAAATGG ACCCCAATGCTCCTGCTCGCCTGTTGGCTCCTGTGCCTGTGCCGGCTCCTGCAATGCA AAGAGTGCAAATGCACCTCCTGCAAGAAGAGTGAGTGCAGGGCCTCCCTGCGAATCTGG GGGATGGGCAATTTAGAGCAGGGAACCCAGAGCTCTGCAGGCAGGGGCAGGCAATGAC CAGCTTCCCCAAACCCCTCCTTCAACACCTGATTGAGAATCAGACCTCAAATTGCCTTAA AAATGGGCTGCTGCTCCTGCTGCCCTGTGGGCTGTGCCAAGTGTGCCAGGGCTGCATCT GCAAAGGGACGTGAGACAAGTGCAGCTGCTGTGCCTGATGCCAGGACAGCTGTGCTCTCA GATGTAATAGAGCAACCTATATAAACCTGGATTTTTTTTTTTTTTTGTACAACCTGACC CGTTTGTACATCTTTTTTCTATGAAATATGTGAATGGCAATAAATTCATCTGGGCTAA NNNNAAANNNNAAAAAAAAAAAAAAAAAGAAAAAATCGACTCTAAATTGCGGCCGCGGTCT AGCTGTTTCTGAACAGATCCCGGGTGGCATCCCTGGGACCCCTCCAGTGCCTCTCCTG GCCCTGGAATTGCCACTCCAGTCCCACCAGCCTTGCTCTAAAAAATAAATTGCCTCAT TTTGGCTGACAAGGGGTGCTTCTATAAATTATGGGGGGAGGGGGTGGGGTATTTAACACA GGGGCAATTTTAAACAACCTTGTGGGCGGGGGGTTTTTTGGAAACCAACTGAG
Restriction Sites:	Please inquire
ACCN:	BC032131
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:	BC032131.2 , AAH32131.1
RefSeq Size:	574 bp
Locus ID:	4501
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. May be involved in FAM168A anti-apoptotic signaling (PubMed:23251525).[UniProtKB/Swiss-Prot Function]