

Product datasheet for **SC100500**

MTG1 (NM_138384) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MTG1 (NM_138384) Human Untagged Clone
Tag:	Tag Free
Symbol:	MTG1
Synonyms:	GTP; GTPBP7
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_138384, the custom clone sequence may differ by one or more nucleotides

ATGAGATTGACCCCGCGCGCTGTGCAGCGCCGCCAGGCCGCTGGCGGGAGAACTTCCCCCTGTGCG
 GTCGCGACGTGGCGCGCTGGTTCCCGGGCCACATGGCCAAGGGGCTGAAGAAGATGCAGAGCAGCCTGAA
 GCTGGTGGACTGTATCATCGAGGTCCACGATGCCCGGATCCCACTTTAGGCCGCAACCTCTGTTTCAG
 GAAACCTTGGGCTTAAGCCTCACTTGTGCTCCTCAACAAGATGGACTTGGCGGATCTTACAGAGCAGC
 AGAAAAATTATGCAACACTTAGAAGGAGAAGGCCTAAAAAATGTCATTTTACCAACTGTGTAAAGGATGA
 AAATGTCAAGCAGATCATCCCGATGGTCACTGAACTGATTGGGAGAAGCCACCGCTACCACCGAAAAGAG
 AACCTGGAGTACTGTATCATGGTCATTGGGGTCCCAACGTGGGCAAGTCTCCCTCATCACTCCCTCC
 GGAGGCAGCACCTCAGGAAAGGGAAAGCCACCAGGGTGGGTGGCGAGCCTGGGATCACCAGAGCTGTGAT
 GTCCAAAATTGAGGTCTCTGAGCGGCCCTGATGTTTCTGTTGGACACTCCTGGCGTGCTGGCTCCTCGG
 ATTGAAAGTGTGGAGACAGGCCTGAAGCTGGCCCTGTGTGGAACGGTGCTGGACCACCTGGTCGGGGAGG
 AGACCATGGCTGACTACCTGCTGTACACCCTCAACAAACACCAGCGCTTTGGGTACGTGCAGCACTACGG
 CCTGGGCAGTGCCTGTGACAACGTAGAGCGCGTGCTGAAGAGTGTGGCTGTGAAGCTGGGAAGACGCAG
 AAGGTGAAGGTGCTCACGGGCACGGGTAACTGTAACATTATTCAGCCTAACTATCCTGCGGCAGCCCGTG
 ACTTCTGCAGACTTTCCGCCGTGGGTGCTGGGTTCCGTGATGCTGGACCTCGACGTCTGCGGGGCCA
 CCCCCGGCTGAGACTTTGCCCTGA


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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_138384 unedited NAAAAANNNNNAAAAAATTTTACCCAAACCTGTTACATTTGTATCCGNATTACTATAG GCGGCCGCGNAATTTCGCACGAGGGNCGGTGCCGCCATGAGATTGACCCCGCGCGCTGT GCAGCGCCGCCAGGCCCTGGCGGGAGAACTCCCCCTGTGCGGTGCGGACGTGGCGC GCTGGTTCGGGGCCACATGGCCAAGGGGCTGAAGAAGATGCAGAGCAGCCTGAAGCTGG TGGACTGTATCATCGAGGTCCACGATGCCCGGATCCCACTTTAGGCCGCAACCTCTGT TTCAGGAAACCTTGGGCTTAAGCCTCACTTGCTGGTCTCAACAAGATGGACTTGGCGG ATCTTACAGAGCAGCAGAAAATTATGCAACACTTGAAGGAGAAGGCCTAAAAAATGTCA TTTTTACCAACTGTGTAAGGATGAAAATGTCAAGCAGATCATCCGATGGTCACTGAAC TGATTGGGAGAAGCCACCGCTACCACCGAAAAGAGAACCTGGAGTACTGTATCATGGTCA TTGNGGTCCCCAACGTGGGCAAGTCTCCCTCATCAACTCCCTCCGGAGGCAGCACCTCA GGAAAGGGAAAGCCACCAGGGTGGGTGGCGAGCCTGGGATCACCAGAGCTGTGATGTCCA AAATTCAGGTGGAGTCTCAGGGGCCAGGCCCCAGCACTCTGTCAAGAGCTCTGCAGGCG TCTGGCACCTGCCGACCTCTGNGTGGCTTCCGGTCTGACCACGCTTCCCTCCCTCCA CTCAGTGTCCCGCTGAGCACCCCGGGGCCAGGCACTGCCCTTGCCCTATTCCACAGT CGTCATTATCTTTGCGCCCAACCTTTGGGGGAAGCCACGCTTGTTCCTTTTCCAG ATGAGAAGGCCCTGTCCAGGCCCTGCCATGGTCCAGGACGCACTGAGTGGGGGCCCCCG
Restriction Sites:	NotI-NotI
ACCN:	NM_138384
Insert Size:	2000 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:	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:	NM_138384.1 , NP_612393.1
RefSeq Size:	1614 bp
RefSeq ORF:	1614 bp
Locus ID:	92170
UniProt ID:	Q9BT17
Cytogenetics:	10q26.3
Domains:	MMR_HSR1

Gene Summary:

Plays a role in the regulation of the mitochondrial ribosome assembly and of translational activity. Displays mitochondrial GTPase activity.[UniProtKB/Swiss-Prot Function]