

Product datasheet for SC317507

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:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317507 representing NM_138384. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGAGATTGACCCGCGCGCGCTGTGCAGCGCCGCCAGGCCGCTGGCGGGAGAACTTCCCCCTGTGC
 GGTCGCGACGTGGCGCGCTGGTTCGCGGCCACATGGCCAAGGGGCTGAAGAAGATGCAGAGCAGCCTG
 AAGCTGGTGGACTGTATCATCGAGGTCCACGATGCCCGGATCCCACTTTCAGGCCGCAACCCTCTGTTT
 CAGGAAACCCTTGGGCTTAAGCCTCACTTGCTGGTCCTCAACAAGATGGACTTGGCGGATCTTACAGAG
 CAGCAGAAAATTATGCAACACTTAGAAGGAGAAGGCCTAAAAAATGTCATTTTACCAACTGTGTAAG
 GATGAAAATGTCAAGCAGATCATCCCGATGGTCACTGAACTGATTGGGAGAAGCCACCGCTACCACCGA
 AAAGAGAACCTGGAGTACTGTATCATGGTCATTGGGGTCCCCAACGTGGGCAAGTCCTCCCTCATCAAC
 TCCCTCCGGAGGCAGCACCTCAGGAAAGGAAAGCCACCAGGGTGGGTGGCGAGCCTGGGATCACCAGA
 GCTGTGATGTCCAAAATTCAGGTCTCTGAGCGGCCCTGATGTTCTGTTGGAACTCTTGGCGTGCTG
 GCTCCTCGGATTGAAAGTGTGGAGACAGGCCTGAAGCTGGCCCTGTGTGGAACGGTGTGGACCACTG
 GTCGGGAGGAGACCATGGCTGACTACCTGCTGTACACCTCAACAAACACCAGCGCTTTGGGTACGTG
 CAGCACTACGGCCTGGGCAGTGCCTGTGACAACGTAGAGCGCGTGCTGAAGAGTGTGGCTGTGAAGCTG
 GGGAAGACGCAGAAGGTGAAGGTGCTCAGGGCACGGGTAACGTGAACATTATTCAGCCTAACTATCCT
 GCGGCAGCCCGTACTTCTGCAGACTTCCGCCGTGGGCTGCTGGGTCCGTGATGCTGGACCTCGAC
 GTCCTGCGGGGCCACCCCGGCTGAGACTTTGCCCTGA
 AC**CGGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_138384
Insert Size:	1005 bp


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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_138384.2</u>
RefSeq Size:	1614 bp
RefSeq ORF:	1005 bp
Locus ID:	92170
UniProt ID:	<u>Q9BT17</u>
Cytogenetics:	10q26.3
Domains:	MMR_HSR1
MW:	37.2 kDa
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]