

Product datasheet for **MC205412**

Mtg1 (NM_199301) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mtg1 (NM_199301) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mtg1
Synonyms:	Gm169; Gtpbp7
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC027306

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CACCAGTGACATGAGGCTGTGGCCGAGGCATGGGGTGCCGTCCGGGGCGCTTGGCGGAGTGCTTCCCT
CTGCAAGGTCACGATGTAGCACGCTGGTTCCCCGGCCACATGGCCAAGGGACTAAAGAAGATGCAGAGCA
GTCTGAAGTCGGTGGATTGTGTTATCGAGGTTTCATGACGCCAGGATCCCATTTTCAGGTCGAAACCTCT
GTTCCAAGAGCTGCTTGGTCTGAAGCCGCATCTGCTTGCTCCTCAACAAAATGGACTTGGCAGATCTTACA
GAGCAGCAGAAAAATTGTCCAGCGCTTAGAAGAAAAAGGCCTGAGCAACGTTCTTTTCACGAACTGTGTGA
AAGATGAAACATCAAGCAGATTGTCCAAAAAGTCATGGAAGTATGAGGTGCAGCTACCGCTACCATCG
AGCCGAGACCCAGAACTACTGCATCATGGTGGTCGGTGTCCCAATGTAGGCAAACTCCTCCCTCATCAAC
TCCCTGAGGCGCCAGCACCTCAGGACAGGAAAAGCTGCCAGAGTGGGAGGTGAGCCAGGAATCACAAGAG
CTGTGACATCCAGAATCCAGGTATGTGAGCGTCCACTGGTGTCTTGCTGGATACTCCTGGGGTGTGGC
TCCTCGGATTGAAAGCGTGGAGACAGGCCTGAAGCTGGCCCTGTGTGGAAGTGTGTGGACCACCTGTGT
GGGGAAGAGACCATGGCCGATTATCTCCTTTACACCCTCAACAGGCATGGGCTCTTTGGGTATGTGCAGC
ACTACGCCCTGGCCAGCGCTGTGACCAATAGAGTGGGTGCTGAAGAACGTGGCTATCAAGCTGAGGAA
GACGCGGAAAAGTGAAGGTTCTCAGAGGCACAGGTAATGTCAATGTTATCCAGCCTGATTATGCCATGGCA
GCCCAGAGACTTCTCCGGACCTTCCGAGTGGGCTGTTGGGCCAGATGATGCTGGACCGTGACATTATAC
CTGCTTGCTGGTGACGTTAACCCCTGGACTGGCTGGCTGGAGTATGGTGTCTGCATAGTCCATGTGACT
GCAGCTGGAGTGTGTTAATGCTTAGGACTGCTCCTCCAGTTCAGAAAGCTCTCTGTGCTGGTACCTGAGGCT
CAGGCCCCAGCTCCAAAGGGCGGGCGCTATGTTCTCTTGCTATCAGAGCCTGGTCAGTCCTGGTTACTA
CCATGAGACCCAGGAGTGTGTATGTGGCTTGGTCAGGAGGTTTTCTCCATCTCAAGTAAGAGACAA
ATGCTATCTCAGAGGAGTCTAAGTTATAATCTGTAAATTTAAATAAATGGGTTAAAAGGCCCACTTTAA
AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAAAAAAA
  
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Restriction Sites:	RsrII-NotI
ACCN:	NM_199301
Insert Size:	984 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC027306</u> , <u>AAH27306</u>
RefSeq Size:	1409 bp
RefSeq ORF:	984 bp
Locus ID:	212508
UniProt ID:	<u>Q8R2R6</u>
Cytogenetics:	7 F4
Gene Summary:	Plays a role in the regulation of the mitochondrial ribosome assembly and of translational activity (By similarity). Displays mitochondrial GTPase activity (By similarity).[UniProtKB/Swiss-Prot Function]