

## Product datasheet for **RN205002**

### Mtg2 (NM\_001013924) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mtg2 (NM_001013924) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mtg2
Synonyms:	Gtpbp5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>RN205002 representing NM_001013924 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGTACCTACCAGACTTGTCTTGGCCAGGACTTGCCTGTGTTGACAGTGTTTTGAAATGGGCTCCAT  
CCACATGTGCTGCTCAAGCCCAGCCAGCTGCTTCTCTGCAAGCGTCATGCAGATTGCTCTGTGGG  
CATCGTAGACCACGTAAGCACCGGAGCCTTCTGGGAAGAAGCTACTGTCAGAGAAGAACTGAAAAGG  
CATTTCTGGATACCGGAGAGTGTCTCCGTGGAGGAAGTGGGGCTCTGCCATGAGCTGCTCCACA  
GTGAACCCCGCAAGGAGTTCGGAGGCCCTGATGGTGGGATGGAGGAAATGGTGGACACATCATCCTGAG  
AGTTGACCAGCAAGTCAAGTCTTGTCCCTCGGTCTGTCCAGTATCAGGGTTTCAGTGGAGAAGACGGT  
GGCAGTAAAACTGCTTTGGACGTGGTGGTCCACCCTCTACATCCAGGTCCCTGTGGGCACCTTGGTGA  
AAGAAGGAGATGAGATTGTGGCTGACCTCTCCACCTGGGAGACGAGTATGTGGCAGCTCTCGGAGGTGC  
AGGAGGAAAAGGCAATCGTTTCTTCTGGCCAATGACAACCGTGGCCCTGTAACCTGCACCCCTGGACAA  
CCGGGTCAGGAGCGGGTCTCTATTTGGAATCAAGACAATGGCTCACGCTGGATGGTTGGCTTCCCGA  
ATGCTGGGAAATCCTCTCCTTCGAGCCATTTCAAATGCAAACTGCTGTAGCTTCTACCCATTAC  
CACCTTGAACCTCACGTGGGATTGTTCACTATGAAGGCCACCAACAGGTAGCAGTGGCAGACATCCCA  
GGAATCATCCGAGGCGCACACCAGAACAAGGGCCTGGCCCTCAGCTTCTCAGGCATATCGAGCGTGTG  
GCTTCTTCTGTATGTGGTAGATCTTTCCTTGCCCTGAGCCATGGACACAGGTTGACGATTTAAAATATGA  
ACTAGAGAAGTATGAAGAAGGCCGTCAGAGAGTCCCACGTGATCATTGCAAAATAGATTGATCTCCCG  
CAGGCCAGAGCCACTTGCTTCACTCCAGGACCGCTCGGACAGGAGGTATAGCCCTGTGAGCTGAG  
CTGGGGAGAACCTGGAGCAGCTGCTTCTACACCTGAAGGTGCTGCATGATGCCACATAGAGGCCGAGCT  
GGAGCAGGTCGCCAGCCTCTCAGGTGGTAG

**ACGGT**ACGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_001013924
<b>Insert Size:</b>	1221 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_001013924.1, NP_001013946.1</u>
<b>RefSeq Size:</b>	1587 bp
<b>RefSeq ORF:</b>	1221 bp
<b>Locus ID:</b>	296462
<b>Cytogenetics:</b>	3q43