

## Product datasheet for **MC227526**

### Mtg2 (NM\_001083328) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Mtg2 (NM\_001083328) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Mtg2  
**Synonyms:** 1810011P19Rik; 2900056P18Rik; D2Bwg0647e; Gtpbp5  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC227526 representing NM\_001083328  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGTATCTACCAGACTTGTCTTGGCAAGGACTTGCACGTGTTTGGGGTGTGGAAATGGGCTCCAT  
 CCACACGTGCTGCTCCTCAGGCCTAGCCACCTTCTTCTACAAGCATCATGCAGATTGCTCTGTGGGCAT  
 CGTAGACCACGCTAAGCACCGGGAGCCTTCTGGGAAGAAGTTCTGTGAGAGAAGAACTGAAAAGGCAT  
 TTCGTGGATCACCGGAGAGTGTGGTCCGTGGAGGAAGCGGGGGCTCTGGCATGAGCTGCTCCACAGTG  
 AGCCCCGCAAGGAGTTTGGAGGCCCTGATGGTGGAGATGGAGGAAATGGTGGACACATCATCCTGAGAGT  
 TGACCAGCAAGTCAAGTCTTGTCTCAGTCTTATCCCAGTATCAGGGCTTCAGTGGAGAAGACGGTGGC  
 AGTAAAAACTGCTCTGGACGAGGTGGTCCACCCTCTACATTCAGGTCCCTGTGGGTACCTTGGTAAAAG  
 AAGGAGACAAGATCGTGGCTGACCTCTAACCTGGGAGACGAGTACGTGGCTGCTCTCGGGGTGCAGG  
 AGGAAAAGGCAATCGTTTCTTCTGGCCAACGACAACCGTCCCTGTAACCTGCACCCCTGGACAACCG  
 GGTCAGGAGCGGGTCTCTACTTGAACCTCAAGACAATGGCTCACGCTGGGATGGTTGGCTCCCAAATG  
 CTGGGAAATCCTCTCCTTCGAGCCATTTCAAATGCAAAACCTGCTGTAGCTTCTACCCGTTACCAC  
 CTTGAACCCTCACGTGGGATCGTTCACTATGAAGGCCACCAACAGGTAGCAGTGGCAGACATCCCAGGC  
 ATCATCCGAGGTGCACACCAGAACAAGGCCCTGGGCCCTCAGTTCCTCAGGCACATCGAGCGTTGTGCT  
 TCTTCTGTTTGTGGTAGATCTTACCTTGCCCTGAGCCGTGGACTCAGGTTGATGATTTAAAATATGAACT  
 AGAGAAGTTTGAAGAAGGCCTGTGAGAGAGTCCCACGTGATCATTGCAAATAAGATCGATCTCCCGCAA  
 GCCAGAGCCCGCTGCCTCAGCTGCAGGCCCGCTCGGACAGGAGGCCATAGGCCTGTGCGCGCTGACTG  
 GGGAGAACCTGGAGCAGCTGCTTCTGCACCTGAAGGAGCTGCATGATGCCACATAGAGGCCGAGCTGGA  
 GCAGGGCCCGCAGCCTCTCAGGTGGTAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA



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|                               |   |
|-------------------------------|---|
| <b>Restriction Sites:</b>     | Sgfl-Mlul   |
| <b>ACCN:</b>                  | NM_001083328  |
| <b>Insert Size:</b>           | 1218 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>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.  |
| <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><a href="#">NM_001083328.1</a></u> , <u><a href="#">NP_001076797.1</a></u>   |
| <b>RefSeq Size:</b>           | 1560 bp   |
| <b>RefSeq ORF:</b>            | 1218 bp   |
| <b>Locus ID:</b>              | 52856   |
| <b>Cytogenetics:</b>          | 2 102.59 cM   |