

## Product datasheet for **MG207002**

### Omg (NM\_019409) Mouse Tagged ORF Clone

#### Product data:

Product Type: Expression Plasmids  
 Product Name: Omg (NM\_019409) Mouse Tagged ORF Clone  
 Tag: TurboGFP  
 Symbol: Omg  
 Mammalian Cell Selection: Neomycin  
 Vector: pCMV6-AC-GFP (PS100010)  
 E. coli Selection: Ampicillin (100 ug/mL)  
 ORF Nucleotide Sequence: >MG207002 representing NM\_019409  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGAATATCAGATACTGAAAAATGTCTTCCTGCCTGTTTCATCCTTCTGTTTCTCACGCCTGGCATCTTAT  
 GCATTTGTCTCTCCAGTGTACATGCACAGAGAGGCACAGGCATGTGGACTGTTTCAGGCAGAACTTGAC  
 TACATTACCACCTGGACTGCAGGAGAACATTATACATTTAAACCTGTCTTATAACCACTTACTGATCTG  
 CATAACCAGTTAACCCCATATACCAATCTGAGAACCCTGGATATTTCAAACAACAGGCTTGAAAGTCTGC  
 CTGCTCAGTTACCTCGGTCTCTCTGGAACATGTCTGCTGCTAACAACAATATTAACCTTCTGACAAATC  
 TGATACTGCTTATCAGTGAACCTTAAATACCTGGATGTTTCTAAGAATATGCTGAAAAAGTTGTTCTC  
 ATTAATAATACCCTAAGAAGTCTCGAGGTTCTTAACCTCAGCAGTAACAAGCTTTGGACAGTTCCAACCA  
 ACATGCCTTCCAACTGCATATCGTGGACCTGTCTAATAACTCACTGACACAAATCCTTCCAGGGACATT  
 AATAAACCTGACAAATCTCACACATCTTACCTGCACAACAATAAATTCACATTCATTCCAGAACAGTCT  
 TTTGACCAACTTTTGCAGTTGCAAGAGATAACTCTTATAATAACAGGTGGTCTGTGACCATAAACAAA  
 ACATTACTTACTTATTGAAGTGGGTGATGGAAACGAAAGCCCATGTGATAGGGACTCCTTGTCTAAGCA  
 AGTATCCTCTCTAAAGGAACAGAGCATGTACCCACACCTCCTGGGTTTACCTCAAGCTTATTTACTATG  
 AGTGAGATGCAGACAGTGGACACCATTAACCTTTGAGTATGGTAACTCAACCCAAAGTGACCAAAACAC  
 CCAAACAATATCGAGGAAAGGAAACCACATTTGGTGTCACTCTAAGCAAAGATACCACTTTTAGTAGCAC  
 TGATAGGGCTGTGGTGGCTACCCAGAAGACACACCCACAGAAATGACCAATTCCATGAAGCAGCAGCT  
 GCAACTCTAACTATTCACCTCCAGGATGGAATGAGTTCAAATGCAAGCCTCACCAGTGAACAAAGTCAAC  
 CCCAAGCCCCGTGACCTCAGCATAGCTCGTGGCATGCCAAATAACTTCTCTGAAATGCCTCGACAAAG  
 CACAACCTCAACTACGGAGGGAAGAAACCACTGCAAAATGGAACACTCGGCCACCTTCTGCGGCTAGT  
 GCTTGGAAAGTAAATGCCTCGCTCCTTTAATGCTCAATGCTGTGGTCTGCTGGCAGGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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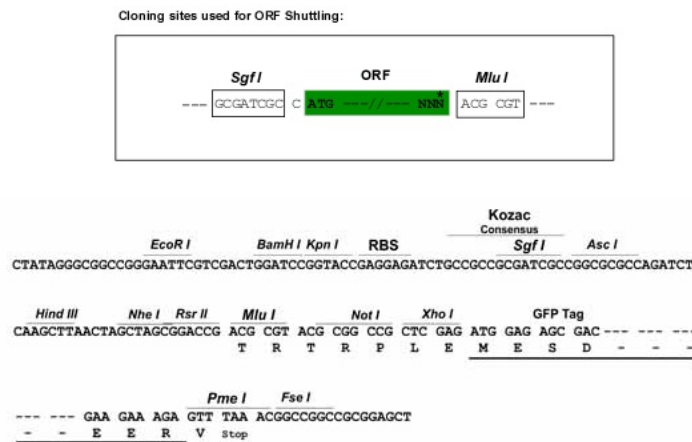
**Protein Sequence:** >MG207002 representing NM\_019409  
 Red=Cloning site Green=Tags(s)

MEYQILKMSSCLFILLFLTPGILCICPLQCTCTERHRHVDCSGRNLTTLPPLQENI IHLNL SYNHFTDL  
 HNQLTPYTNLRTLDISNNRLES LPAQLPRSLWNMSAANNNIKLLDKSDTAYQWNLKYLDVSKNMLEKVVL  
 IKNTLRSLLEVLNLSSNKLWTVPTNMP SKLHIVDL SNNSLTQILPGTLINLTNLTHLYLHNNKFTF IPEQS  
 FDQLLQLEITLHNNRWSCDHKQNI T YLLKWMETKAHVIGTPCSKQVSSLKEQSMYPTPPGFTSSLFTM  
 SEMQTVDTINLSMVTQPKVTKPKQYRGKETT FGVTLSKD TTF SSTDRAVVAYPEDPTTEMTNSHEAAA  
 ATLT IHLQDGMSSNASLTSATKSPSPVTL SIARGMPNNFSEMPRQSTTLNLRREETTANGNTRPPSAAS  
 AWKVNASLLLMLNAVVMLAG

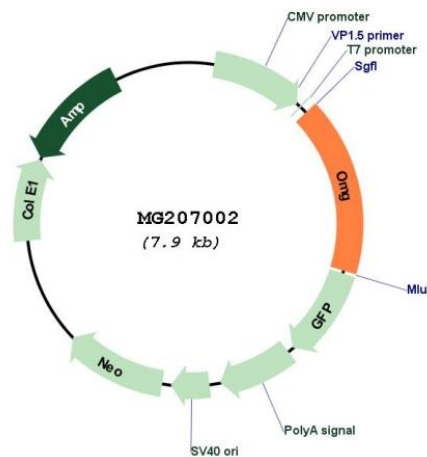
TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



<b>ACCN:</b>	NM_019409
<b>ORF Size:</b>	1320 bp
<b>OTI Disclaimer:</b>	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<a href="#">NM_019409.1</a> , <a href="#">NP_062282.1</a>
<b>RefSeq Size:</b>	1794 bp
<b>RefSeq ORF:</b>	1332 bp
<b>Locus ID:</b>	18377
<b>UniProt ID:</b>	<a href="#">Q63912</a>
<b>Cytogenetics:</b>	11 46.79 cM
<b>Gene Summary:</b>	Cell adhesion molecule contributing to the interactive process required for myelination in the central nervous system.[UniProtKB/Swiss-Prot Function]