

## Product datasheet for **MG227089**

### Agmo (NM\_178767) Mouse Tagged ORF Clone

#### Product data:

|                           |   |
|---------------------------|---|
| Product Type:             | Expression Plasmids                     |
| Product Name:             | Agmo (NM_178767) Mouse Tagged ORF Clone |
| Tag:                      | TurboGFP                                |
| Symbol:                   | Agmo                                    |
| Synonyms:                 | A530016O06Rik; AI790538; Tmem195        |
| Mammalian Cell Selection: | Neomycin                                |
| Vector:                   | pCMV6-AC-GFP (PS100010)                 |
| E. coli Selection:        | Ampicillin (100 ug/mL)                  |



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**ORF Nucleotide Sequence:**

>MG227089 representing NM\_178767  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGAGGAGCCAGGAGCCCAAGACAATGTTTCAGTTTCTCAGGGTATGCGAGCGATGTTTTACATGATGG  
 AGCCAGTGAAACTGCCTTCCAACTGTTGAAGAGGTGCCTGATTACGTAAAAAGGCGACTCCATTTTT  
 TATCTTCTTGATTCTGCTTGAAGTAGTCATCAGCTGGATTCTCAAAGGAAACCATCAGGTCGTTTGGAT  
 GATGCTCTCACATCTATATCAGCTGGTGTGTGTCTCGGCTTCCAAGTCTGTTCTCAGGAGCCTTGAAG  
 TGACCAGTTATATTTATCTGGGAAACTACAGACTTTTGAATTGCCTGGGATTCTACCTGGACGTG  
 GTATTTCACTTTCTTAGGAGTTGACTTTGGCTACTACTGGTCCACCGCATGGCTCATGAGATTAATATT  
 TTCTGGGCAGCACACCAAGCACACCACAGTTCTGAAGACTATAACTTATCCACAGCACTGAGACAGTCTG  
 TCTTGACAGCATAGTTCCTGGGTTTTCTACTGTCCACTGGCCCTTTTCATACCACCTCAGTGTTCG  
 TGTTTCATATCAATCAATCTCCTCTACCAATTTTGGATCCACACAGAGATCATCAGAACCCTTGGCCCT  
 TTGGAAGTGATCCTTAATACTCCTAGCCATCACAGAGTTCATCATGGTAGAAATCGTTACTGCATTGATA  
 AAAACTATGCTGGCACTCTTATTATTTGGGATAGAATTTTGGGACATTTGAAGCAGAGAATGAGCAGGT  
 CATATATGGTCTAACCCATCCCATTGGTACATTTGAGCCATTCAACGTGCAGTTTACCATTACTTTAT  
 ATATGGACTACATTCTGGACCACACCTGGATTCTGCCATAAGTTTTCTGTCTATTTAAAGGACCAGGAT  
 GGGGTCCAGGTAACCAAGACTTGGCCTGAGTGAAGAAATTCAGAGGTTACAGGACAGGAAGTCCCCTT  
 CTCATCCTCAGCATCCCAGCTTTAAAGATCTACACTGCCTCCAGTTTGCAGTAATGCTGGCATTAT  
 GAAGAGACCTTTGCAAACACAGCGGTACTGTCCAGGTCACTCTTCTTCTGAGAATCTTCTCTTTATCC  
 TGACCTTGACGTCCATTGGTTTTCTTCTGGACCAAGATCCAAGGCAGCTACTATGGAACCTTTCCGGTG  
 CCTGTTGTTCTTAACCCTGCACAGATTTGGTCACTTAAAGCCTCTTATCCATCTTTATCTTTTGCATTT  
 GAGATTTTCTTTTTCGTTTGCATTGCTTTCTGGGGCGTAAGAAGCATAACACAACCTCACCTCGGCTCT  
 GAAAAAGCCT

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG227089 representing NM\_178767  
 Red=Cloning site Green=Tags(s)

MRSPGAQDNVSVSQMRFYMMPESETAFQTVVEVPDYVKKATPFFIFLILLELVISWILKGKPSGRLD  
 DALTSISAGVVSRLPSLFFRSLEVTSYIYIWIENYRLELPWDSTWTWYFTFLGVDFGYWYFHRMAHEINI  
 FWAHQAHHSSEYDNLSTALRQSVLQYSSWVFCPLALFIPPSVFAVHIQFNLLYQFWIHTEIIRTLGP  
 LEVILNTPSHHRVHHGRNRYCIDKNYAGTLIIWDRIFGTFEAENEQVIYGLTHPIGTFEPFNVQFHLLY  
 IWTTFWTTPGFCHKFSVLFGKPGWGPGRPLGLSEEIPEVTGQEVFSSASQLLIYTVLQFAMLAFY  
 EETFANTAVLSQVTLRLRIFFFILTLTSIGFLLDQSKAATMETFRCLLFLTLHRFGHLKPLIPSLSFAP  
 EIFFSVCIAFWGVRSITQLTSGSWKPK

**TRTRPLE** - GFP Tag - V

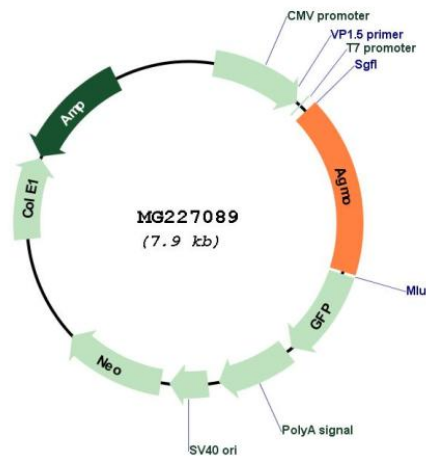
**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_178767

ORF Size: 1341 bp

OTI Disclaimer: 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. [More info](#)

OTI Annotation: 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>                | <u><a href="#">NM_178767.5</a></u> , <u><a href="#">NP_848882.2</a></u>   |
| <b>RefSeq Size:</b>           | 2156 bp   |
| <b>RefSeq ORF:</b>            | 1344 bp   |
| <b>Locus ID:</b>              | 319660  |
| <b>UniProt ID:</b>            | <u><a href="#">Q8BS35</a></u>   |
| <b>Cytogenetics:</b>          | 12 A3   |
| <b>Gene Summary:</b>          | Glycerol-ether monooxygenase that cleaves the O-alkyl bond of ether lipids. Ether lipids are essential components of brain membranes (By similarity).[UniProtKB/Swiss-Prot Function]  |