

## Product datasheet for **RR212182**

### Agmo (NM\_001135899) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agmo (NM_001135899) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Agmo
Synonyms:	RGD1312038; Tmem195
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR212182 representing NM\_001135899  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGAGGAACCCAGGAGCCCAAGACAATGTTTCAGTTTCCAGGGTATGCGAGCGATGTTTTACATGATGA  
 AGCCCACTGAAACTGCCTTCCAAACAGTTGAAGAGGTGCCTGATTACGTTAAAAAGGCAACTCCATTTT  
 CATCTTCTTGATTCTGCTTGAAGTAGTCGTCAGCTGGATTCTCAAGGAAAACCATCAGGTCGTTTGGAT  
 GATATTCTCACTTCTATGTCAGCTGGTGTGTATCTCGGCTTCCAAACCTGTTCTTTAGGAGCCTTGAGG  
 TGACCAGCTACATTTATCTGGGAGAAGTACAGAGTTTGTGAGTTGCCTGGGATTCTCCATGGACGTG  
 GTATTTAACCTTCTAGGAGTTGACTTTGGTTACTACTGGTTTCCACGCATGGCAGATGAGATTAATATT  
 ATCTGGGAGCTCACCAGGCACACCACAGTTCTGAAGACTATAACTTAAGCACGGCACTGAGACAGTCCG  
 TCCTGCAGCAATACAGTTCCTGGGTTTTCTACTGTCCCCTGGCCCTTTTCGTACCACCTCAGTGTTCG  
 TGTTTCATATTCAATTTAATCTCCTCTACCAATTTTGGATCCACACAGAGGTCATCAGAACCCTTGGCCCT  
 TTGGAACCTGGTCCCTAATACTCCGAGCCATCACAGAGTTCACCATGGTAGAAATCGTTACTGCATAGATA  
 AAAACTATGCTGGCACTCTTATTATTTGGGATAGAATTTTCGGGACATTTGAAGCAGAGAATGAACAGGT  
 TATATATGGTCTAACCCATCCCATTGGAACATTTGAGCCATTCAAAGTGCAGTTTACCATTACTCTAT  
 ATATGGACAACATTCTGGGCCACACCTGGTTTCTGCCATAAGTTTTCTGTCTATTTAAAGGACCAGGAT  
 GGGGTCCAGGTAACCAAGACTTGGCCTGAGTGAAGAAATTCAGAGGTTACAGGACAGGAAGTCCCTTT  
 CACATCATCGGCGTCCAGTTCCTGAAGATATATGCTGTCTCCAGTTTGCCGTAATGCTGGTGTTTTAT  
 GAAGAGACCTTTGCAAAACAGCGGTATTATCTCAGGTAAGTATCTCCTGAGGATCTGCTTCAATTTTC  
 TGACCTTGACATCCATTGGTTTCTTCTGATCAAAGACCAAGCAGCGATTGTGAAAACCTCCCGGTG  
 TCTGTTGTTCTCAACCCTGTACAGATTTGGTCACTTAAAGCCTCTCATTGAATCTTTATCATTGCAATTT  
 GAGATTTTCTTTTCGTTTGCATTGCATTCTGGGAGTAAGAAGCATAACGCACCTCGCCTCTGGCTCTT  
 GAAAAAGCCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR212182 representing NM\_001135899  
 Red=Cloning site Green=Tags(s)

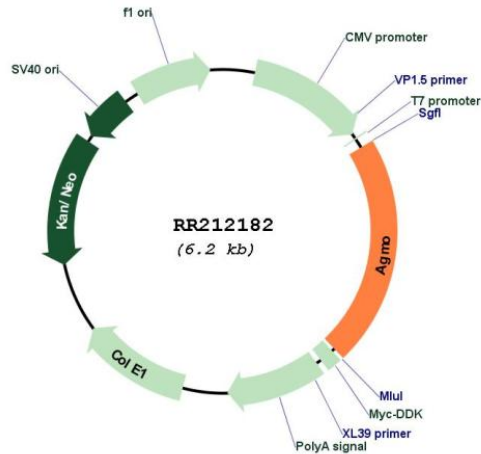
MRNPGAQDNVSVSQMRFYMMKPSETAFQTVEEVPDYVKKATPFFIFLILLELVVSWILKPKPSGRLD  
 DILTSMSAGVVSRLPNLFFRSLEVTSYIYIWIENYRVCELPWDSPTWYLTFLGVDFGYWYFHRMAHEINI  
 IWAHQAHHSSEYDNLSTALRQSVLQQYSSWVFCPLALFVPPSVFAVHIQFNLLYQFWIHTEVIRTLGP  
 LELVLNTPSHHRVHGRNRYCIDKNYAGTLIIWDRIFGTFEAENEQVIYGLTHPIGTFFPKVQFHLLY  
 IWTFWATPGFCHKFSVLFGKPGWGPGRGLGLSEEIPEVTGQEVPTSSASQFLKIYAVLQFVMLVY  
 EETFANTAVLSQVTILLRIFIIILTLTSIGFLLDQRPKAAIVETLRCLLFLTYRFGHLKPLIESLSFAF  
 EIFFSVCIAFWVRSITHLASGSWKPK

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001135899

**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.

**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.

**RefSeq:** [NM\\_001135899.1](#), [NP\\_001129371.1](#)

**RefSeq Size:** 2132 bp

**RefSeq ORF:** 1344 bp

**Locus ID:** 362732

**UniProt ID:** [A0JPQ8](#)

**Cytogenetics:** 6q21

**MW:** 51.7 kDa

**Gene Summary:** Glycerol-ether monoxygenase that cleaves the O-alkyl bond of ether lipids. Ether lipids are essential components of brain membranes (By similarity).[UniProtKB/Swiss-Prot Function]