

## Product datasheet for **MG209718**

### Agps (NM\_172666) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agps (NM_172666) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Agps
Synonyms:	5832437L22; 9930035G10Rik; Adaps; Adas; Adhaps; Adps; Aldhpsy; AW123847; bs2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG209718 representing NM\_172666  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCGGAGGCGGCGGGCGAGGCGGGCGAGCGAGCGGGACCCAGACGCGGGCCGCGCGCCGGC  
 GGCTGCGGGTTCTGTGCGGCCATCTGCTGGGCCGGCCAGGAGGCTCCGAGTACCAATGAGTGCAAAGC  
 GCGGAGAGCCGCGTGGCGGGCGGGCGTCCGCCCGCTACTCTGCCGACCAGAGTCGGGCACCATC  
 CCCAAGAAGCGCAAGAAGTTATGAAATGGAATGGATGGGGCTACAATGATTCCAAGTTCTATTGAATA  
 AGAAGGGCCAGGTTGAGCTGACTGGAAAAGGTACCCACTTAGTGGCTTGGTTTTACCACTTTGAGAGA  
 CTGGATCCAAAACACCCTTGAGTAAGTCTGGAGCATAAACTACCTCTAAAACATCCATAAATCCTAGT  
 GAAGCACCTCCTTCTATTGTGAATGAAGATTTCTTCAGGAAGCTAAAGAAGCTCGGATTTCTACTCAC  
 AGGAAGCAGATGATCGTGTGTTAGAGCTCACGGTCATTGTCTTACGAGATATTTTGGCTCAGAGAAGG  
 GATGTTTGGAGCGGATTCCTGATATAGTTGTATGGCCAACATGTCATGATGATGATGATGATGATGATGAT  
 CTAGCTTGCAAAATATAACCTTTGTATCATACCAATTTGGTGGAGGAACAAGTGTGTCTATGGCTTATGT  
 GTCCTGCAGACGAGACAAGAACAATAATTTCTTTGGACACTTCACAAATGAACCGGATTCTCTGGTTGA  
 TGAGAACAATCTGACAGCTCACGTAGAGGCTGGGATAACAGGACAAGATTTGAAAAGACAGCTTAAAGAA  
 AGTGGTTATTGTACAGGTCATGAACCGGACTCCCTGGAATTCAGCACCGTGGGAGGATGGATATCTACTC  
 GAGCGTCAGGCATGAAGAAAAATATCTATGGCAATATTGAGGACCTGGTGGTTTATATGAAAATGGTAAC  
 ACCTAGAGGTGTAATAGAGAAAAGCTCCCAAGGACCTCGTATGTCAACGGGCCCTGATATCCATCACTTC  
 ATTATGGGATCTGAAGGAACTCTGGTGTAAACAGAAGCTACAATAAAGATCAGACCAACCCCTGAGT  
 ACCAGAAGTACGGTTCGGTGGCTTCCCTAACTTTGAACAAGGTGTAGCCTGTTTAAAGAAAATTTGCAAA  
 GCAGAGATGTGCTCTGCATCTATCCGCCCTCATGGACAACAGCAGTTCCAGTTTGGTCATGCTCTTAAA  
 CCTCAGGTCTCTTCTATTTTACATCATTTTGGATGGATTAAAAAGTTTTATATTACAAAGTTTAAAG  
 GATTTGATCCAAATCAAATAAGTGTAGCCACATTACTGTTGAGGGAGACCGTGAGAAGTTCTTCAGCA  
 CGAAAAACAAGTGTATGACATCGCAGCAAAATTTGGTGGTCTGGCTGCTGGAGAAGATAACGGTCAGAGG  
 GGTTATTTGCTGACTTATGTCATTGCATATATTCGTGATTTGGGTTTGAATACTATGTAATAGGAGAAT  
 CTTTTGAGACTTCTGCTCCTGGGACAGGGTTATAGATCTGTGTAGAAATGTAAGGAGAGGATAAGAAG  
 GGAATGCAAGAAAGGGGAGTTCAGTTCGCACCTTTTCTACGTGCAGGGTGACACAGACTTATGATGCA  
 GGTGCATGTATCTACTTCTATTTTGCCTTAACTACAGGGGAATTAGTGACCCACTGACCGTGTTTGAAC  
 ACACTGAGGCAGCTGCTAGAGAGGAAATCCTTGCCAATGGAGGGAGCCTGTCACATCACCATGGAGTGGG  
 CAAGATACGAAAGCAGTGGCTAAAGGAGAGCATCTCTGATGTCGGCTTTGGAATGCTAAAGTCGGTCAAG  
 GAGTATGTGGACCAAGTAACATCTTTGAAAACAGAAACCTTTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>MG209718 representing NM\_172666  
 Red=Cloning site Green=Tags(s)

MAEAAAGEAGASERDPDAGRARRRLRVLSGHLGRPQEAPSTNECKARRAASAAGASPAATPAAPESGTI  
 PKKRQEVMMKWNWGWYNDKFLNKKQVELTGKRYPLSGLVPLTRLDWIQNTLGVSLHKTTSKTSINPS  
 EAPPSIVNEDFLQELKEARISYSQEADDRVFRAGHCLHEIFLLREGMFERIPDIVVWPTCHDDVVKIVN  
 LACKYNLCIPIGGGTSVSYGLMCPADETRTIIISLDTSQMNRIWVDENNLTAHVEAGITGQDLERQLKE  
 SGYCTGHEPDSLEFSTVGGWISTRASGMKKNYGNIEDLVVHMKMVTPRGVIEKSSQGPRMSTGPDIIHF  
 IMGSEGLGVITEATIKIRPTPEYQKYGSVAFPNFEQGVACLREIAKQRCAPASIRLMDNQFQFGHALK  
 PQVSSIFTSFLDGLKIFYITKFKGFDPNQISVATLLFEGDREKVLQHEKQVYDIAAKFGGLAAGEDNGQR  
 GYLLTYVIAIRDGLLEYVYIGESFETSAPWDRVIDLCRNVKERIRRECKERGVQFAPLSTCRVTQTYDA  
 GACIYFYFAFNRYGISDPLTVFEHTEAAAREEILANGGSLSHHHGVGKIRKQWLKESISDVGFMGLKSVK  
 EYVDPSNIFGNRNLL

TRTRPLE - GFP Tag - V



<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_172666.2</a>
<b>RefSeq Size:</b>	7375 bp
<b>RefSeq ORF:</b>	2016 bp
<b>Locus ID:</b>	228061
<b>UniProt ID:</b>	<a href="#">Q8C011</a>
<b>Cytogenetics:</b>	2 C3
<b>Gene Summary:</b>	Catalyzes the exchange of an acyl for a long-chain alkyl group and the formation of the ether bond in the biosynthesis of ether phospholipids.[UniProtKB/Swiss-Prot Function]