

## Product datasheet for **MC210002**

### Agpat1 (NM\_001163379) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Agpat1 (NM_001163379) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Agpat1
Synonyms:	1-AGP; 1-AGPAT; AW047140
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC210002 representing NM_001163379 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGGAGCTGTGGCCCGGGCCTGGACGGCGCTGCTGCTGCTGCTCCTGCTGCTGCCACCCTGTGGT  
TCTGCAGCTCCAGTGCCAAGTATTTCTTAAGATGGCCTTCTACAACGGCTGGATCCTCTCCTGGCGAT  
CCTCGCAATCCCGTGTGTGCTGTGCGAGGGCGCAATGTCGAGAACATGAAGATCTTGGCTGCTGCTGCT  
CTCCACGTCAAATACCTGTATGGGATCCGAGTGGAGGTGCGCGGGGCTCACCACTCCCTCCCACGCAGC  
CCTACGTGGTTGTGTCCAACCACAGAGTTCCTCGACCTGCTTGAATGATGGAGGTCCTGCCAGATCG  
TTGTGTGCCCATTGCCAAGCGTGAGCTACTATGGGCTGGCTCTGCTGGGCTGGCCTGCTGGCTGGCAGGA  
ATCATCTTCATTGACCGAAACGCACAGGGGACGCCATCAGTGTGATGTCGAGGTGGCTCAGACCTTGC  
TCACCCAGGATGTGAGAGTCTGGGTTTTCTGAAGGAACAAGAAACCACAATGGCTCCATGCTGCCCTT  
CAAACGAGGGCCCTTCCACCTTGCACTACAGGCCAGGTCCTCCATCATCCCCATCGTCATGCTCCTCAT  
CAAGACTTCTACTCCAAAAGGAAAGACGCTTACCTCGCCTGGACGTTGTCAGGTGCGGGTGTGCCTC  
CAGTGTCCACAGAAGGGCTGACACCAGATGACGTCCCAGCTCTGGCAGACAGCGTCCGGCACTCCATGCT  
CACCATCTCCGGGAGATCTCCACTGACGGCCTGGGTGGTGGCGACTGTCTGAAGAAGCCTGGGGAGCG  
GGCGAAGCCCGGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001163379
Insert Size:	858 bp



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<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>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_001163379.1</a></u> , <u><a href="#">NP_001156851.1</a></u>
<b>RefSeq Size:</b>	2190 bp
<b>RefSeq ORF:</b>	858 bp
<b>Locus ID:</b>	55979
<b>UniProt ID:</b>	<u><a href="#">O35083</a></u>
<b>Cytogenetics:</b>	17 18.18 cM
<b>Gene Summary:</b>	<p>Converts 1-acyl-sn-glycerol-3-phosphate (lysophosphatidic acid or LPA) into 1,2-diacyl-sn-glycerol-3-phosphate (phosphatidic acid or PA) by incorporating an acyl moiety at the sn-2 position of the glycerol backbone.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein. Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>