

Product datasheet for **MC204473**

Agpat4 (NM_026644) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Agpat4 (NM_026644) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Agpat4
Synonyms:	1500003P24Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC047281
 CTCAGGCTCCTGCCTCGCAGTTCTGGCTTGTGAGCACCAATGCAAAGAACTGCCCGAGCGAGACTTT
 CCTGAGCCCCGGATCTTTCCCTTCTGGAAGTATCCCACCATACGGATTATCTCTTGAGAATCCCCAC
 ACCATGGACCTCATCGGGCTGCTGAAGTCCCAGTTTCTATGTCACCTGGTCTTCTGCTACGTGTTTCATCG
 CCTCGGGGCTCATTGTCAACGCCATCCAGCTGTGCACGCTGGTTCATCTGGCCCATCAACAAGCAGCTGTT
 CCGCAAGATCAATGCCAGACTCTGCTACTGCGTCTCCAGCCAGTTGGTGATGCTTCTGGAGTGGTGGTGG
 GGCACGGAGTACCATCTACACCGCCGAAGGCTGCCCCACTACGGGAAGGAAAACGCCATCGTGG
 TCCTCAATCACAAGTTTGAGATTGACTTTCTCTGTGGCTGGAGCCTGGCTGAGCGCCTGGGATCCTGGG
 GAACTCCAAAGTCTGGCCAAGAAAGAACTGGCTTATGTCCCAATCATTGGCTGGATGTGGTACTTCGTG
 GAAATGATCTTTTGCACACGCAAGTGGGAGCAAGATCGGCAGACGGTTGCCAAGAGCCTGCTGCACCTCC
 GGGACTACCCAGAGAAGTATCTGTTCTGATCCACTGTGAGGGCACACGGTTACAGAGAAGAAACACCA
 AATCAGCATGCAGGTGCCCAAGCCAAGGGGCTGCCAGCCTCAAACACCACCTGCTGCCGCGCACAAA
 GGCTTTGCTATTACTGTGAAGTCTTGGCAGATGTTGCCAGCTGTATGACTGTACACTCAATTTCA
 GAAACAATGAAAACCAACTGCTGGGAGTCTTAAATGGAAGAATATCACGCTGACTGCTACGTTTCG
 GAGGATCCCATGGAGGACATCCGGAGGATGAGGACAAGTGCTCTGCCGGTTACACAAGCTTACCAG
 GAGAAGGATGCCTTTAGGAGGAATACTACAGGACAGGGGCTTCCAGAGACTCCCTGGGTTCCCCCAC
 GCGGCCCTGGTCTCTGGTCAACTGGTTGTTCTGGGCATCGCTGCTGCTTACCCTTTCTCCAGTTCTCT
 AGTTAGCATGGTCAGCAGCGGTTCTCGGTGACGCTGGCCAGCTTGGTCTCATCTTCTGTATGGCTCC
 ATGGGAGTTTCGATGGATGATTGGCGTGACAGAAATCGACAAGGGCTCTGCCTACGGCAACATCGACAACA
 AACGGAACAACCGACTGATGTGGAAAGTCACTCCAGAGGAAACCGTGGGGGACGGCTGGCCTCTGC
 TTAGCCTTTGTAGCAGGGCTCAGTGTGGAGACTGGGGGGCCCTTGTCTGGACAAACACAAACCACAGCC
 CCTCTGGTCACGGAGTTTTGCCCTCAGCCTGGATGGGAAAGGAAGACGGGTTTAGACCTTCCCCCTCCC
 TCCTCCCTGTGATATGGTTTCGGTTATGTCTCTTTTCAGTTGCGCGTGCCTGCGTGCCTGCGTGTG
 TGT
 GGTGAGGAGAATGGTGTGTGGTTGCGTGTGCACTTGTGACCCTGTAACAGTAGGGTCTGGGAGGCTGCA
 AGGAAGGGCAGGGCCAGGGTGAAGGGAAGGTGTCCCTGTCAACCATGGTGTGCTGCTTCTCTAACCC
 TCGATTGCCGGAGACAGAGTAAAAGTCTTTGGTAAGATGACTAAATTATGCCTCCAAATAAGAAAAA
 GAATTAAGTGTCTCTGGTAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_026644

Insert Size: 1137 bp

OTI Disclaimer: 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).

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: [BC047281](#), [AAH47281](#)

RefSeq Size: 1869 bp

RefSeq ORF: 1137 bp

Locus ID: 68262

UniProt ID: [Q8K4X7](#)

Cytogenetics: 17 A1

Gene Summary: 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 (PubMed:15367102). Exhibits high acyl-CoA specificity for polyunsaturated fatty acyl-CoA, especially docosahexaenoyl-CoA (22:6-CoA, DHA-CoA) (PubMed:24333445).[UniProtKB/Swiss-Prot Function]