

Product datasheet for **SC319824**

AGPAT5 (NM_018361) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	AGPAT5 (NM_018361) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGPAT5
Synonyms:	1AGPAT5; LPAATE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_018361.3
CGATGGGTGAGGGTCATGGGGTGTGAGCATCCCTGAGCCATCGATCCGGGAGGGCCGCGG
GTTCCCTTGCTTTGCCGCGGGAGCGGGCAGCGCAGCCCCGCACTCGCTACCCGCCCC
GGGCGGGCGGCGGCCATGCGGCTGGGGCGGAGGCTGGGAGCGGGTGGCGGGCCGCGG
GGCCCCGGGCCCGGGCGGTGATTGCCCGCTGCTGGCCGCGACTGAGGCCCGGGAGGCGGG
CGGGGAGCGCAGGCGGAGCTCGCTGCCGCCGAGCTGAGAAGATGCTGCTGTCCCTGGTGC
TCCACACGTACTCCATGCGCTACCTGCTGCCAGCGTCTGCTCCTGGGCACGGCGCCCA
CCTACGTGTTGGCTGGGGGTCTGGCGGCTGCTCCTCGCTTCTGCCCGCCGCTTCT
ACCAAGCGCTGGACGACCGGCTCTACTGCGTCTACCAGAGCATGGTGTCTTCTTCTTCG
AGAATTACACCGGGTCCAGATATTGCTATATGGAGATTTGCCAAAAATAAAGAAAATA
TAATATATTTAGCAAATCATCAAAGCACAGTTGACTGGATTGTTGCTGACATCTTGCCA
TCAGGCAGAATGCGCTAGGACATGTGCGCTACGTGCTGAAAGAAGGGTTAAAATGGCTGC
CATTGTATGGGTGTTACTTTGCTCAGCATGGAGGAATCTATGTAAGCGCAGTGCCAAAT
TTAACGAGAAAGAGATGCGAAACAAGTTGCAGAGCTACGTGGACGCGAAGTCCCAATGT
ATCTTGTGATTTTTCCAGAAGGTACAAGGTATAATCCAGAGCAAACAAGTCCCTTCAG
CTAGTCAGGCATTTGCTGCCAACGTGGCCTTGCAGTATTAACAATGTGCTAACACCAC
GAATAAAGGCAACTCACGTTGCTTTTATTGATGATGAAGAATATTTAGATGCAATTTATG
ATGTTACGGTGGTTTATGAAGGAAAGACGATGGAGGGCAGCGAAGAGAGTCACCGACCA
TGACGGAATTTCTGCAAAGAATGTCCAAAAATTCATATTCACATTGATCGTATCGACA
AAAAAGATGTCCAGAAGAACAAGAACATATGAGAAGATGGCTGCATGAACGTTTTCGAAA
TCAAAGATAAGATGCTTATAGAATTTTATGAGTACCAGATCCAGAAAAGAAGAAAAGAT
TTCTGGGAAAAGTGTTAATCCAAATTAAGTATCAAGAAGACTTTACCATCAATGTTGA
TCTTAAGTGGTTTACTGACGAGCATGCTTATGACCGATGCTGGAAGGAAGCTGTATGTGA
ACACCTGGATATATGGAACCTACTTGGCTGCCTGTGGTTACTATTAAGCATAGACAA
GTAGCTGTCTCCAGACAGTGGGATGTGCTACATTGTCTATTTTTGGCGGCTGCACATGAC
ATCAAATGTTTCTGAATTTATTAAGGAGTGAATAAAGCCTTGTGATTGAAAAAAA
AAAAAAAAAAAA



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Restriction Sites:	Please inquire
ACCN:	NM_018361
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<ol style="list-style-type: none">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:	<u>NM_018361.3</u> , <u>NP_060831.2</u>
RefSeq Size:	5535 bp
RefSeq ORF:	1095 bp
Locus ID:	55326
UniProt ID:	<u>Q9NUQ2</u>
Cytogenetics:	8p23.1
Domains:	Acyltransferase
Protein Families:	Transmembrane
Gene Summary:	This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. This integral membrane protein converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. A pseudogene of this gene is present on the Y chromosome. [provided by RefSeq, Aug 2014]