

Product datasheet for **SC113188**

1 AGP acyltransferase 4 (AGPAT4) (NM_020133) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	1 AGP acyltransferase 4 (AGPAT4) (NM_020133) Human Untagged Clone
Tag:	Tag Free
Symbol:	AGPAT4
Synonyms:	1-AGPAT4; dj473j16.2; LPAAT-delta
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020133, the custom clone sequence may differ by one or more nucleotides

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ATGGACCTCGCGGGACTGCTGAAGTCTCAGTTCCTGTGCCACCTGGTCTTCTGCTACGTCTTTATTGCCT
CAGGGCTAATCATCAACACCATTAGCTCTTCACTCTCCTCTGGCCATTAAACAAGCAGCTCTTCCG
GAAGATCAACTGCAGACTGTCTATTGCATCTCAAGCCAGCTGGTATGCTGCTGGAGTGGTGGTCGGGG
ACGGAATGCACCATCTTACGGACCCGCGCCTACCTCAAGTATGGGAAGGAAAATGCCATCGTGGTTC
TCAACCACAAGTTTGAATTGACTTTCTGTGTGGCTGGAGCCTGTCCGAACGCTTTGGGCTGTTAGGGGG
CTCCAAGTCTCGCCAAGAAAGAGCTGGCCTATGTCCCAATTATCGGCTGGATGTGGTACTTCACCGAG
ATGGTCTTCTGTTTCGCGCAAGTGGGAGCAGGATCGCAAGACGGTTGCCACCAGTTTGACGACCTCCGGG
ACTACCCCGAGAAGTATTTTTCTGATTCACTGTGAGGGCACACGGTTCACGGAGAAGAAGCATGAGAT
CAGCATGCAGGTGGCCCGGGCAAGGGGCTGCCTCGCCTCAAGCATCACCTGTTGCCACGAACCAAGGGC
TTCGCCATCACCGTGAGGAGCTTGAGAAATGTAGTTTCAGCTGTATGACTGTACACTCAATTTAGAA
ATAATGAAAATCCAACACTGCTGGGAGTCTAAACGGAAAGAAAATACCATGCAGATTTGTATGTTAGGAG
GATCCCCTGGAAGACATCCCTGAAGACGATGACGAGTGTCTGGCCTGGCTGCACAAGCTCTACCAGGAG
AAGGATGCCTTTCAGGAGGAGTACTACAGGACGGGCACCTTCCCAGAGACGCCATGGTGCCCGCCCGGC
GGCCCTGGACCCTCGTGAAGTGGCTGTTTTGGCCTCGCTGGTGTCTACCCTTTCTCCAGTTCCCTGGT
CAGCATGATCAGGAGCGGGTCTTCCCTGACGCTGGCCAGCTTCATCCTCGTCTTCTTGTGGCCTCCGTG
GGAGTTCGATGGATGATTGGTGTGACGAAATTGACAAGGGCTCTGCCTACGGCAACTCTGACAGCAAGC
AGAAACTGAATGACTGA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_020133 unedited TTTTGTATACGACTCACTATAGGGCGGCCGCGATTTCGGCACGAGGCTCAGCTTCTGGTTT CTAAGTCCATGTGCCAAAGGCTGCCAGGAAGGAGACGCCTTCCTGAGTCTGGATCTTTC TTCCTTCTGGAATCTTTGACTGTGGGTAGTTATTTATTTCTGAATAAGAGCGTCCACGC ATCATGGACCTCGCGGACTGCTGAAGTCTCAGTTCCTGTGCCACCTGGTCTTCTGCTAC GTCTTTATTGCCTCAGGGCTAATCATCAACACCATTTCAGCTCTTCACTCTCCTCTGG CCATTAAACAAGCAGCTTCCGGAAGATCAACTGCAGACTGTCCTATTGCATCTCAAGC CAGCTGGTGATGCTGCTGGAGTGGTGGTCGGGCACGGAATGCACCATCTTACGGACCCG CGCGCCTACCTCAAGTATGGGAAGGAAAATGCCATCGTGGTTCTCAACCACAAGTTTGAA ATTGACTTTCTGTGTGGCTGGAGCCTGTCCGAACGCTTTGGGCTGTTAGGGGGCTCCAAG GTCCTGGCCAGAAAGAGCTGGCCTATGTCCCAATTATCGGCTGGATGTGGTACTTACCAG AGATGGTCTTCTGTTTCGCGCAAGTGGGAGCAGGATCGAAGACGGTTGCCACCAGTTTGC AGCACCTCGGGACTACCCCGAGAAGTATTTTTCTGATTCACTGTGANGGGCACAGG TTCACGGAGAAAGAGCATGAGATCAGCATGCAGGTGGCCCCGCCAAGGGGCTGNCTCGC CTCAAGCTNACCTGNTGCCACAACANGGCTTCNCATCACGTGAGGACTGAGAAAGTAGT TCACTGNTATGACTGTCACTCATTTTCAATATGAAAATCACCTGCTGGGAGTCTAACGAA GAAACATGCAAATTGTGTTAGGAGATCACTGAAAACCTCTGAACAAAACAGGCTGGCTGC TTA
Restriction Sites:	NotI-NotI
ACCN:	NM_020133
Insert Size:	1940 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:	<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:	NM_020133.2 , NP_064518.1
RefSeq Size:	7889 bp
RefSeq ORF:	1137 bp
Locus ID:	56895
UniProt ID:	Q9NRZ5
Cytogenetics:	6q26
Domains:	Acyltransferase

Protein Families:	Transmembrane
Protein Pathways:	Ether lipid metabolism, Glycerolipid metabolism, Glycerophospholipid metabolism, Metabolic pathways
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. [provided by RefSeq, Jul 2008]