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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:	1 AGP acyltransferase 4
Synonyms:	1-AGPAT4; dJ473J16.2; LPAAT-delta
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_020133, the custom clone sequence may differ by one or more nucleotides

ATGGACCTCGCGGGACTGCTGAAGTCTCAGTTCCTGTGCCACCTGGTCTTCTGCTACGTCTTTATTGCCT
CAGGGCTAATCATCAACACCATTCAGCTCTTCACTCTCCTCCTCTGGCCCATTAACAAGCAGCTCTTCCG
GAAGATCAACTGCAGACTGTCCTATTGCATCTCAAGCCAGCTGGTGATGCTGCTGGAGTGGTGGTCGGGC
ACGGAATGCACCATCTTCACGGACCCGCGCGCCTACCTCAAGTATGGGAAGGAAAATGCCATCGTGGTTC
TCAACCACAAGTTTGAAATTGACTTTCTGTGTGGCTGGAGCCTGTCCGAACGCTTTGGGCTGTTAGGGGG
CTCCAAGGTCCTGGCCAAGAAAGAGCTGGCCTATGTCCCAATTATCGGCTGGATGTGGTACTTCACCGAG
ATGGTCTTCTGTTCGCGCAAGTGGGAGCAGGATCGCAAGACGGTTGCCACCAGTTTGCAGCACCTCCGGG
ACTACCCCGAGAAGTATTTTTTCCTGATTCACTGTGAGGGCACACGGTTCACGGAGAAGAAGCATGAGAT
CAGCATGCAGGTGGCCCGGGCCAAGGGGCTGCCTCGCCTCAAGCATCACCTGTTGCCACGAACCAAGGGC
TTCGCCATCACCGTGAGGAGCTTGAGAAATGTAGTTTCAGCTGTATATGACTGTACACTCAATTTCAGAA
ATAATGAAAATCCAACACTGCTGGGAGTCCTAAACGGAAAGAAATACCATGCAGATTTGTATGTTAGGAG
GATCCCACTGGAAGACATCCCTGAAGACGATGACGAGTGCTCGGCCTGGCTGCACAAGCTCTACCAGGAG
AAGGATGCCTTTCAGGAGGAGTACTACAGGACGGGCACCTTCCCAGAGACGCCCATGGTGCCCCCCCGGC
GGCCCTGGACCCTCGTGAACTGGCTGTTTTGGGCCTCGCTGGTGCTCTACCCTTTCTTCCAGTTCCTGGT
CAGCATGATCAGGAGCGGGTCTTCCCTGACGCTGGCCAGCTTCATCCTCGTCTTCTTTGTGGCCTCCGTG
GGAGTTCGATGGATGATTGGTGTGACGGAAATTGACAAGGGCTCTGCCTACGGCAACTCTGACAGCAAGC
AGAAACTGAATGACTGA

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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_020133 unedited
TTTTGTATACGACTCACTATAGGGCGGCCGCGATTCGGCACGAGGCTCAGCTTCTGGTTT
CTAAGTCCATGTGCCAAAGGCTGCCAGGAAGGAGACGCCTTCCTGAGTCCTGGATCTTTC
TTCCTTCTGGAAATCTTTGACTGTGGGTAGTTATTTATTTCTGAATAAGAGCGTCCACGC
ATCATGGACCTCGCGGGACTGCTGAAGTCTCAGTTCCTGTGCCACCTGGTCTTCTGCTAC
GTCTTTATTGCCTCAGGGCTAATCATCAACACCATTCAGCTCTTCACTCTCCTCCTCTGG
CCCATTAACAAGCAGCTCTTCCGGAAGATCAACTGCAGACTGTCCTATTGCATCTCAAGC
CAGCTGGTGATGCTGCTGGAGTGGTGGTCGGGCACGGAATGCACCATCTTCACGGACCCG
CGCGCCTACCTCAAGTATGGGAAGGAAAATGCCATCGTGGTTCTCAACCACAAGTTTGAA
ATTGACTTTCTGTGTGGCTGGAGCCTGTCCGAACGCTTTGGGCTGTTAGGGGGCTCCAAG
GTCCTGGCCAGAAAGAGCTGGCCTATGTCCCAATTATCGGCTGGATGTGGTACTTCACCG
AGATGGTCTTCTGTTCGCGCAAGTGGGAGCAGGATCGCAAGACGGTTGCCACCAGTTTGC
AGCACCTCCGGGACTACCCCGAGAAGTATTTTTTCCTGATTCACTGTGANGGGCACACGG
TTCACGGAGAAAGAGCATGAGATCAGCATGCAGGTGGCCCCGGCCAAGGGGCTGNCTCGC
CTCAAGCTNACCTGNTGCCACAACANGGGCTTCNCATCACGTGAGGACTGAGAAAGTAGT
TCACTGNTATGACTGTCACTCATTTCGAATATGAAAATCACCTGCTGGGAGTCTAACGAA
GAAACATGCAAATTGTGTTAGGAGATCACTGAAAACTCCTGAACAAAACAGGCTGGCTGC
TTA
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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:
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

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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]

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