

Product datasheet for SC121130

LPGAT1 (NM_014873) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LPGAT1 (NM_014873) Human Untagged Clone
Tag:	Tag Free
Symbol:	LPGAT1
Synonyms:	FAM34A; FAM34A1; NET8
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC121130 sequence for NM_014873 edited (data generated by NextGen Sequencing)

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ATGGCTATAACTTTGGAAGAAGCTCCGTGGCTGGGCTGGCTCTTGGTGAAGCACTGATG
AGGTTTGCCCTTCATGGTGTGCAACAACCTGGTTGCTATTCATCCTACATCTGCTATGTA
ATTATACTTCAGCCCTTCGAGTCTGGACAGTAAGCGGTTCTGGTATATCGAAGGAATC
ATGTATAAATGGCTTTTAGGAATGGTAGCTTCTGGGGATGGTATGCTGGATATACAGTG
ATGGAATGGGGAGAAGATATTAAGCAGTTTCAAAGATGAAGCAGTGATGTTGGTGAAT
CATCAGGCAACAGGAGATGTGTGCACACTGATGATGTGCCTCCAGGACAAAGGACTGGTT
GTTGCTCAGATGATGTGGTTGATGGATCATATTTTAAAGTACACAACTTTGGAATTGTT
TCTCTAGTTCATGGAGACTTCTTATAAGACAGGGAAGATCTTATCGTGACCAACAGCTG
CTGCTTCTCAAGAAGCACTTAGAAAATAATTACAGGAGCAGAGATCGAAAATGGATTGTT
TTGTTTCCAGAAGGGGGCTTCTCAGGAAGAGGCGAGAAACAAGTCAGGCATTTGCCAAG
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ATTTTGAATGCACTTGTAGCACAAACAGAAAAATGGAAGTCCAGCAGGAGGAGATGCTAAA
GAATTAGACAGCAAAATCAAAGGCTCCAGTGGATAATAGATACAACGATAGCTTATCCC
AAAGCTGAACCTATAGATATTCAAACCTGGATCCTTGGATACAGGAAACCAACAGTCACA
CATGTACATTACAGGATCTTTCCAATTAAGATGTACCCTGGAGACTGATGACCTTACC
ACTTGGCTCTATCAGCGGTTTGTGAAAAAGAAGACCTTATCACATTTTTATGAAACA
GGAGCTTTTCCACCTTCCAAGGGCCATAAGGAAGCTGTTTCCAGGAGATGACCTCAGC
AACTTGTGGATATTTCTCATACAGTCTTTTGCATTTTTGTCAGGCTATATGTGGTACAAC
ATCATTAGTATTTTTACCATTGCCTGTTTTAG

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Clone variation with respect to NM_014873.2



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_014873 unedited
 GGGGGNNGNNNNNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCNCCGTTCAAATTTGTATACGATCACTATAG
 GCGGCCGCGNAATTCGCACCAAGTCTCCGCAGCCTTCCGCCGTCGCGCCCCGCCGAGAAAG
 ACAGGACGGAGTCCAGTGTGAGAATGGCTATAACTTTGGAAGAAGCTCCGTGGCTGGGCT
 GGCTCTTGGTAAAGCACTGATGAGGTTGCCTTCATGGTCGTCACAACCTGGTTGCTA
 TTCCATCTACATCTGCTATGTAATTATACTTCAGCCCCTCGAGTGTGACAGTAAGC
 GGTTCTGGTATATCGAAGGAATCATGTATAAATGGCTTTTAGGAATGGTAGCTTCCTGGG
 GATGGTATGCTGGATATACAGTGTGGAATGGGAGAAGATATTAAGCAGTTTCAAAG
 ATGAAGCAGTGTGTTGGTGAATCATCAGGCAACAGGAGATGTGTGCACACTGATGATGT
 GCCTCCAGGACAAAGACTGGTTGTTGCTCAGATGATGTGGTTGATGGATCATATTTTTA
 AGTACACAAAATTTGGAATTGTTTCTCTAGTTCATGGAGACTTCTTTATAAGACAGGGAA
 GATCTTATCGTGACCAACAGCTGCTGCTTCTCAAGAAGCACTTAGAAAATAATTACAGGA
 GCAGAGATCGAAAATGGATTGTTTTGTTCCAGAAGGGGCTTCCCTCAGGAAGAGCGGAG
 ANACAAGTCAGGCATTTGCCAAGAAAAATAACTTGCCATTTCTTACAAAATGTTACTCTGC
 CAAGGTCTGGNGCACANAATTATTTTGAATGCACTTGTAGCACAAAGAAAATGGGAGT
 CCAGCAGGAGGATGCTAAAGAATAGACAGCAATCAAAGCCTCCAGTGGATNATGATA
 CACGATAGCTNATCCCAAGNTG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_014873 unedited
 CAGCTTGACGCGCCGCAATCTAGGATCAGTTTTGTTTTGTTTTATATTTATTGCTTA
 TTGATTCATTTTCAATGAGTATTTAATGAATGTCTATTACATATCAGACAGTATTTA
 CACATAGAGGATGGGTTCAATCAGCAAACCATACAGACCAAAAATCCCTGACTTCAGAGA
 GCTTACATTTTCGCTGTTTAAAAGAACTGTATCTCAAAGGCTGTGCTCTAGGATAATA
 ACAACCAGAAGAACAAAATCAGAAATTAATAAATACATAAAAGAAAGCATTTCAAGTTT
 CATACTTTTTTTTTTTCAGACAAAGTCTCACTCTTGTCGCCCTAAGCTGGAGTGCAACGGC
 ACAGACAGTGGCTCACTGGTTCCACCTCCTCCCGGTTCAAGCAATTCTCATTTTAGTAC
 ATTAGACAGGATCCCAAAGGGGGATAAATGTTAATCCGTCCATTGAATTTCTGGGCTTT
 TTCTTAAATATATTCTGATTTGCACATGTAAAACAATGCGCACTTATGAAAGAAAGTCTG
 AACTCCTACGGTGACCTTGACAAGTCCACGTCAATTCCTAAGACAGGCAATGGTAAAGAT
 ACTGAATGATGTTGTACCACATATAGCCTGACGAACATGCAAAAGACTGTNTGAGAAATA
 TCCACAAGTTGCTGAGGGTCATCTCCCTGGAAACAGCTTCCTTATGGCCGTTGGAAGGTG
 GAAAAGCTCCTGTTTCATATACATGTGATGAGAGGTCTTCATTTTCAACAAAACGCTTAT
 ATTAACCAACGTGAAAGGCATCAAACCTCCAGGGTACATCTTTATTGAAAGATCCTGCAT
 GT

Restriction Sites:

NotI-NotI

ACCN:

NM_014873

Insert Size:

1800 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_014873.1 , NP_055688.1
RefSeq Size:	6253 bp
RefSeq ORF:	1113 bp
Locus ID:	9926
UniProt ID:	Q92604
Cytogenetics:	1q32.3
Domains:	Acyltransferase
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes a member of the lysophospholipid acyltransferase family. The encoded protein catalyzes the reacylation of lysophosphatidylglycerol to phosphatidylglycerol, a membrane phospholipid that is an important precursor for the synthesis of cardiolipin. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 1. Both variants 1 and 2 encode the same protein.</p>