

Product datasheet for TP320083L

OriGene Technologies, Inc.

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LPCAT1 (NM_024830) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human lysophosphatidylcholine acyltransferase 1 (LPCAT1), 1 mg

Species: Human
Expression Host: HEK293T

Expression cDNA Clone >RC220083 representing NM_024830 or AA Sequence: Red=Cloning site Green=Tags(s)

MRLRGCGPRAAPASSAGASDARLLAPPGRNPFVHELRLSALQKAQVALMTLTLFPVRLLVAAAMMLLAWP LALVASLGSAEKEPEQPPALWRKVVDFLLKAIMRTMWFAGGFHRVAVKGRQALPTEAAILTLAPHSSYFD AIPVTMTMSSIVMKAESRDIPIWGTLIQYIRPVFVSRSDQDSRRKTVEEIKRRAQSNGKWPQIMIFPEGT CTNRTCLITFKPGAFIPGAPVQPVVLRYPNKLDTITWTWQGPGALEILWLTLCQFHNQVEIEFLPVYSPS EEEKRNPALYASNVRRVMAEALGVSVTDYTFEDCQLALAEGQLRLPADTCLLEFARLVRGLGLKPEKLEK DLDRYSERARMKGGEKIGIAEFAASLEVPVSDLLEDMFSLFDESGSGEVDLRECVVALSVVCRPARTLDT IQLAFKMYGAQEDGSVGEGDLSCILKTALGVAELTVTDLFRAIDQEEKGKITFADFHRFAEMYPAFAEEY

LYPDQTHFESCAETSPAPIPNGFCADFSPENSDAGRKPVRKKLD

TRTRPLEQKLISEEDLAANDILDYKDDDDK**V**

Tag: C-Myc/DDK

Predicted MW: 59 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by

conventional chromatography steps.

Note: For testing in cell culture applications, please filter before use. Note that you may experience

some loss of protein during the filtration process.

Storage: Store at -80°C.

Stability: Stable for 12 months from the date of receipt of the product under proper storage and

handling conditions. Avoid repeated freeze-thaw cycles.





RefSeq: NP 079106

 Locus ID:
 79888

 UniProt ID:
 Q8NF37

 RefSeq Size:
 3994

 Cytogenetics:
 5p15.33

 RefSeq ORF:
 1602

Synonyms: AGPAT9; AGPAT10; AYTL2; lpcat; LPCAT-1; lysoPAFAT; PFAAP3

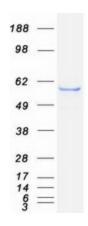
Summary: This gene encodes a member of the 1-acyl-sn-glycerol-3-phosphate acyltransferase family of

proteins. The encoded enzyme plays a role in phospholipid metabolism, specifically in the conversion of lysophosphatidylcholine to phosphatidylcholine in the presence of acyl-CoA. This process is important in the synthesis of lung surfactant and platelet-activating factor (PAF). Elevated expression of this gene may contribute to the progression of oral squamous

cell, prostate, breast, and other human cancers. [provided by RefSeq, Sep 2016]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified LPCAT1 protein (Cat# [TP320083]). The protein was produced from HEK293T cells transfected with LPCAT1 cDNA clone (Cat# [RC220083]) using MegaTran 2.0 (Cat# [TT210002]).