

## **Product datasheet for TP320083**

## 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), 20 μg

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

**TRTRPL**EQKLISEEDLAANDILDYKDDDDK**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

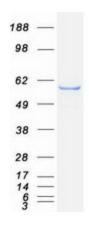
**Summary:** This gene encodes a member of the 1-acyl-sn-glycerol-3-phosphate acyltransferase family of

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]).