

Product datasheet for **TP320083M**

LPCAT1 (NM_024830) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human lysophosphatidylcholine acyltransferase 1 (LPCAT1), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220083 representing NM_024830 Red =Cloning site Green =Tags(s)

MRLRGCGPRAAPASSAGASDARLLAPPGRNPFVHELRLSALQKAQVALMTLTLFPVRLLVAAAMMLLAWP
LALVASLGSAEKEPEQPPALWRKVVDLFLKAIMRTMWFAGGFHRVAVKGRQALPTEAAILTLAPHSSYFD
AIPVTMTMSSIVMKAESRDIPIWGTLIQYIRPVFVSRSDQDSRRKTVEEIKRRAQSNQKWPQIMIFPEGT
CTNRTCLITFKPGAFIPGAPVQPVVLRYPNKLDTITWTWQGPQALEILWLTLCQFHNQVEIEFLPVYSPS
EEEKRNPAALYASNVRRVMAEALGVSVDYTFEDCQLALAEGQLRLPADTCLLEFARLVRGLGLKPEKLEK
DLDRYSERARMKGGGKIGIAEFAASLEVPVSDLLEDMFSLFDESGSGEVDLRECVVALSVVCRPARTLDT
IQLAFKMYGAQEDGSGEGDLSCILKTALGVAELVTDLFRAIDQEEKGITFADFHRFAEMYPAAEEY
LYPDQTHFESCAETSPAPIPNGFCADFSPENS DAGRKPVRKLLD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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.



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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]).