

## Product datasheet for **TP300168M**

### Acyltransferase like 1 (LPCAT2) (NM\_017839) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human lysophosphatidylcholine acyltransferase 2 (LPCAT2), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200168 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSRCAQAAEVAATVPGAGVGNVGLRPPMVPRQASFFPPPVPNPFVQQTQIGSARRVQIVLLGIILLPIRV  
LLVALILLWLPFAAISTVCCPEKLTHPITGWRRKITQTALKFLGRAMFFSMGFIVAVKGGKIASPLEAPV  
FVAAPHSTFFDGIACVAGLPSMVSRENAAQVPLIGRLLRAVQPVLVSRVDPDSRKNNTINEIIRRTTSGG  
EWPQILVFEGTCTNRSLITFKPGAFIPGVPVQPVLLRYPNKLDTVTWTWQGYTFIQLCMLTFCQLFTK  
VEVEFMPVQVPNDEEKNDPVLFAKVRNLMAEALGIPVTDHTYEDCRLMISAGQLTLPMEAGLVEFTKIS  
RKLKLDWDGVRKHLDEYASASSKGGRIGIEEFAKYLKLPVSDVLRQLFALFDRNHDGSIDFREYVIGL  
AVLCNPSNTEEIIQVAFKLFVDVDEEDGYITEEESTILQASLGVPDLVSLGFKIEAQGDSISYEEFKSFA  
LKHPEYAKIFTTYLDLQTCVHFLPKVEVQTPSTASNKVSPEKHEESTSDKKDD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	60 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\\_060309](#)

Locus ID: 54947

UniProt ID: [Q7L5N7](#)

RefSeq Size: 5395

Cytogenetics: 16q12.2

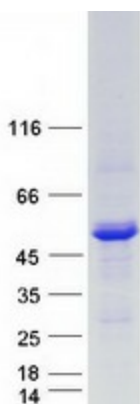
RefSeq ORF: 1632

Synonyms: AGPAT11; AYTL1; LysoPAFAT

**Summary:** This gene encodes a member of the lysophospholipid acyltransferase family. The encoded enzyme may function in two ways: to catalyze the biosynthesis of platelet-activating factor (1-O-alkyl-2-acetyl-sn-glycero-3-phosphocholine) from 1-O-alkyl-sn-glycero-3-phosphocholine, and to catalyze the synthesis of glycerophospholipid precursors from arachidonyl-CoA and lysophosphatidylcholine. The encoded protein may function in membrane biogenesis and production of platelet-activating factor in inflammatory cells. The enzyme may localize to the endoplasmic reticulum and the Golgi. [provided by RefSeq, Feb 2009]

**Protein Families:** Transmembrane

### Product images:



Coomassie blue staining of purified LPCAT2 protein (Cat# [TP300168]). The protein was produced from HEK293T cells transfected with LPCAT2 cDNA clone (Cat# [RC200168]) using MegaTran 2.0 (Cat# [TT210002]).