

## Product datasheet for PH300168

### Acyltransferase like 1 (LPCAT2) (NM\_017839) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	LPCAT2 MS Standard C13 and N15-labeled recombinant protein (NP_060309)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200168
Predicted MW:	60.2 kDa
Protein Sequence:	>RC200168 protein sequence Red=Cloning site Green=Tags(s)

MSRCAQAAEVAATVPGAGVGNVGLRPPMVPRQASFFPPVPNPFVQQTQIGSARRVQIVLLGIILLPIRV  
LLVALILLLAWPFAAISTVCCPEKLTHPITGWRRKITQTALKFLGRAMFFSMGFIVAVKGGKIASPLEAPV  
FYAAPSTFFFDGIACVVAGLPSMYSRNENAQVPLIGRLLRAVQPVLVSRVDPDSRKNINEIIKRTTSGG  
EWPQILVFPEGTCTNRSCLITFKPGAFIPGVPVQPVLLRYPNKLDVTWTWQGYTFIQLCMLTFCQLFTK  
VEVEFMPVQVPNDEEKNDPVLFANKVRNLMAEALGIPVTDHTYEDCRLMISAGQLTLPMEAGLVEFTKIS  
RKLKLDWDGVRKHLDEYASIASSSKGGRIIEEFAKYLKLPVSDVLRQLFALFDRNHDGSI DFREYVIGL  
AVLCNPSNTEEEIIQVAFKLFDVDEDEGYITEEEFSTILQASLGVPDLVSGLFKEIAQGDSISYEEFKSFA  
LKHPEYAKIFTTYLDLQCHVFLPKEVQTPSTASNKVSPEKHEESTSDKKDD

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_060309</u>
RefSeq Size:	5395
RefSeq ORF:	1632



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**Synonyms:** AGPAT11; AYTL1; LysoPAFAT

**Locus ID:** 54947

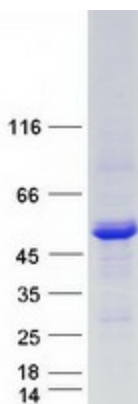
**UniProt ID:** [Q7L5N7](#)

**Cytogenetics:** 16q12.2

**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]).