

Recombinant Human LPCAT4 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. LPCAT4-3867H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	LPCAT4 MS Standard C13 and N15-labeled recombinant protein (NP_705841) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Members of the 1-acylglycerol-3-phosphate O-acyltransferase (EC 2.3.1.51) family, such as AGPAT7, catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA), a precursor in the biosynthesis of all glycerolipids. Both LPA and PA are involved in signal transduction.
Molecular Mass	57.2 kDa
AA Sequence	MSQGSPGDWAPLDPTPGPPASPNPFVHELHLSRLQRVKFCLLGALLAPIRVLLAFIV LFLWLWPFQVAGLSEEQLQEPITGWRKTVCHNGVLGLSRLFFLLGFLRIRVRGQ RASRLQAPVLVAAPHSTFFDPIVLLPCDLPKVVSRANLSVPVIGALLRFNQAILVSRH DPASRRRVVEEVRRRATSGGKWPQVLFPEGTCSNKKALLKFKPGAFIAGVPVQPV LIRYPNSLDTTSWAWRGPGVLKVLWLTASQPCSIDVEFLPVYHPSPEESRDPTLYA NNVQRMVMAQALGIPATECEFGSLPVIVVGRLKVALEPQLWELGKVLKAGLSAGYV DAGAEPGRSRMISQEEFARQLQLSDPQTVAGAFGYFQQDTKGLVDVFRDVALALAAL DGGRSLEELTRLAFELFAEEQAEGPNRLLYKDGFTILHLLGSPHPAATALHAELCQ AGSSQGLSLCQFQNFSLHDPLYGKLFSTYLRPPHTSRGTSQTPNASSPGNPALAN

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GTVQAPKQKGDTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	LPCAT4 lysophosphatidylcholine acyltransferase 4 [Homo sapiens (human)]
Official Symbol	LPCAT4
Synonyms	LPCAT4; lysophosphatidylcholine acyltransferase 4; 1 acylglycerol 3 phosphate O acyltransferase 7 (lysophosphatidic acid acyltransferase, eta), acyltransferase like 3, AGPAT7, AYTL3; lysophospholipid acyltransferase LPCAT4; FLJ10257; LPAAT eta; LPEAT2; lysophosphatidylethanolamine acyltransferase 2; 1-AGPAT 7; acyltransferase like 3; acyltransferase-like 3; 1-AGP acyltransferase 7; PLSC domain containing protein; acyl-CoA:lysophosphatidylethanolamine acyltransferase 2; 1-acylglycerol-3-phosphate O-acyltransferase 7 (lysophosphatidic acid acyltransferase, eta); AYTL3; AGPAT7; LPAAT-eta;
Gene ID	254531
mRNA Refseq	NM_153613

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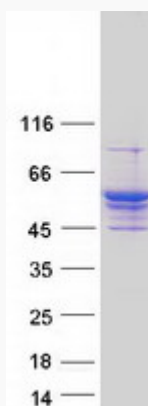
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Protein Refseq NP_705841

MIM 612039

UniProt ID Q643R3

SDS-PAGE



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