

Product datasheet for PH310488

AGPAT7 (LPCAT4) (NM_153613) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LPCAT4 MS Standard C13 and N15-labeled recombinant protein (NP_705841)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210488
Predicted MW:	57.2 kDa
Protein Sequence:	>RC210488 protein sequence Red=Cloning site Green=Tags(s)

MSQSPGDWAPLDPTPGPPASPDPFVHELHL SRLQRVKFCLLGALLAPIRVLLAFIVLFLWPFAWLQVA
GLSEQLQEPITGWRKTVCHNGVLGLSRLFFLLGFLRIRVRGQRASRLQAPVLVAAPHSTFFDPIVLLP
CDLPKVVSRANLSVPVIGALLRFNQAILVSRHDPASRRRVVEEVRRRATSGGKWPQVLFPEGTCSNKK
ALLKFKPGAFIAGVPVQPVLI RYPNSLDTTSAWRGPGV LKVLWLTASQPCSIDVDFLPVYHPSPEESR
DPTLYANNVQVRMAQALGIPATECEFFVGS LPIVVGRLKVALEPQLWELGKVL RKAGLSAGYVDAGAEPG
RSRMISQEEFARQLQLSDPQTVAGAFGYFQDDTKGLVDFRDVALALAALDGGRSLEELTRLAFELFAEEQ
AEGPNRLLYKDG FSTILHLLGSPHPAATALHAELCQAGSSQGLSLCQFQNFSLHDPLYGKLFSTYL RPP
HTSRGTSQTPNASPGNPTALANGTVQAPKQKGD

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_705841</u>
RefSeq Size:	1908
RefSeq ORF:	1572



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Synonyms: AGPAT7; AYTL3; LPAAT-eta; LPEAT2

Locus ID: 254531

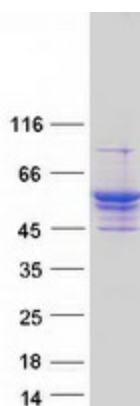
UniProt ID: [Q643R3](#)

Cytogenetics: 15q14

Summary: 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 (Ye et al., 2005 [PubMed 16243729]).[supplied by OMIM, May 2008]

Protein Families: Transmembrane

Product images:



Coomassie blue staining of purified LPCAT4 protein (Cat# [TP310488]). The protein was produced from HEK293T cells transfected with LPCAT4 cDNA clone (Cat# [RC210488]) using MegaTran 2.0 (Cat# [TT210002]).