

## Product datasheet for **TP310488**

### AGPAT7 (LPCAT4) (NM\_153613) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human lysophosphatidylcholine acyltransferase 4 (LPCAT4), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC210488 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSQGSPGDWAPLDPTPGPPASPDPNFVHELHLSRLQVRKFCLLGALLAPIRVLLAFIVLFWPFAWLQVA  
GLSEELQEPITGWRKTVCHNGVLGLSRLFFLLGFLRIRVRGQRASRLQAPVLAAPHSTFFDPVILLP  
CDLPKVVSRANLSVPVIGALLRFNQAILVSRHDPASRRRVVEVRRRATSGGKWPQVLFPEGTCSNKK  
ALLKFKPGAFIAGVPVQPVLI RYPNSLDTTSWAWRGPVVKVLTASQPCSIDVEFLPVYHPSPEESR  
DPTLYANNVQRVMAQALGIPATECEFGSLPVIVVGRKVALEPQLWELGKVLKAGLSAGYVDAGAEPG  
RSRMISQEEFARQLQLSDPQTVAGAFGYFQQDTKGLVDFRDVALAALDGGRSLEELTRLAFELFAEEQ  
AEGPNRLLYKDFSTILHLLGSPHPAATALHAELCQAGSSQGLSLCQFQNFSLHDPLYGKLFSTYL RPP  
HTSRGTSQTPNASSPGNPTALANGTVQAPKQKGD

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

Tag:	C-Myc/DDK
Predicted MW:	57 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\\_705841](#)

Locus ID: 254531

UniProt ID: [Q643R3](#)

RefSeq Size: 1908

Cytogenetics: 15q14

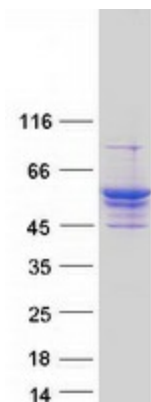
RefSeq ORF: 1572

Synonyms: AGPAT7; AYTL3; LPAAT-eta; LPEAT2

**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]).