

## Product datasheet for **TP310488M**

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

#### Product data:

|                                       |   |
|---------------------------------------|---|
| Product Type:                         | Recombinant Proteins  |
| Description:                          | Recombinant protein of human lysophosphatidylcholine acyltransferase 4 (LPCAT4), 100 µg |
| Species:                              | Human   |
| Expression Host:                      | HEK293T   |
| Expression cDNA Clone or AA Sequence: | >RC210488 protein sequence<br><b>Red</b> =Cloning site <b>Green</b> =Tags(s)            |

MSQGSPGDWAPLDPTPGPPASPDPNFVHELHLSRLQVRKFCLLGALLAPIRVLLAFIVLFWPFAWLQVA  
GLSEQLQEPITGWRKTVCHNGVLGLSRLFFLLGFLRIRVRGQRASRLQAPVLVAAPHSTFFDPVILLP  
CDLPKVVSRANLSVPVIGALLRFNQAILVSRHDPASRRRVVEVRRRATSGGKWPQVLFPEGTCSNKK  
ALLKFKPGAFIAGVPVQPVLI RYPNSLDTTSWAWRGPVVKVLTASQPCSIDVVEFLPVYHPSPEESR  
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

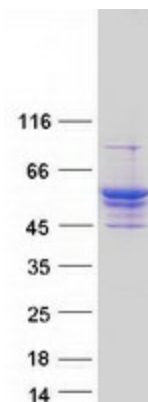
RefSeq ORF: 1572

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]).