

Recombinant Human AGPAT5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. AGPAT5-5985H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	AGPAT5 MS Standard C13 and N15-labeled recombinant protein (NP_060831) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. This integral membrane protein converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. A pseudogene of this gene is present on the Y chromosome.
Molecular Mass	42.1 kDa
AA Sequence	MLLSVLHTYSMRYLLPSVLLGTAPTYVLAWGVWRLLSAFLPARFYQALDDRLYCV YQSMVLFFFENYTGQVQILLYGDLPKNKENIYLANHQSTVDWIVADILAIRQNALGHVR YVLKEGLKWLPYGCYFAQHGGIYVKRSKAFNEKEMRNKLQSYVDAGTPMYLVIFP EGTRYNPEQTKVLSASQAFAAQRGLAVLKHVLTPIKATHVAFDCMKNYLDAIYDVT VVYEGKDDGGQRRESPTMTEFLCKECPKIHIDRIDKKDVP EEQEHMRRWLHERF EIKDKMLIEFYESPDPERRKRFP GKSVNSKLSIKKTLPSMLILSGLTAGMLMTDAGRK LYVNTWIYGTLGCLWVTIKATRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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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.

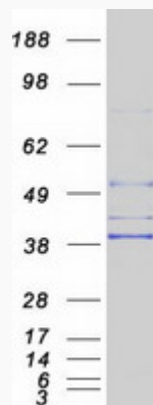
GENE INFORMATION

Gene Name	AGPAT5 1-acylglycerol-3-phosphate O-acyltransferase 5 [Homo sapiens (human)]
Official Symbol	AGPAT5
Synonyms	AGPAT5; 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon); 1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon; FLJ11210; LPAAT e; LPAAT epsilon; 1-AGPAT 5; 1-AGP acyltransferase 5; lysophosphatidic acid acyltransferase epsilon; LPAATE; 1AGPAT5;
Gene ID	55326
mRNA Refseq	NM_018361
Protein Refseq	NP_060831
MIM	614796
UniProt ID	Q9NUQ2

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SDS-PAGE

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