

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

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

SPECIFICATION

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| 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 | <p>MLLSVLHTYSMRYLLPSVLLGTAPTYVLAWGVWRLLSAFLPARFYQALDDRLYCV YQSMVLFFFENYTGQVQILLYGDLPKNKENIYLANHQSTVDWIVADILAIRQNALGHVR YVLKEGLKWLPLYGCYFAQHGGIYVKRSAKFNEKEMRNKLQSYVDAGTPMYLVIFP EGTRYNPEQTKVLSASQAFAAQRGLAVLKHVLTTPRIKATHVAFDCMKNYLDAIYDVT VVYEGKDDGGQRRESPTMTEFLCKECPKIHIDRIDKKDVP EEQEHMRRWLHERF EIKDKMLIEFYESPDPERRKRFP GKSVNSKLSIKKTLPSMLILSGLTAGMLMTDAGRK LYVNTWIYGTLGCLWVTIKATRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| 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

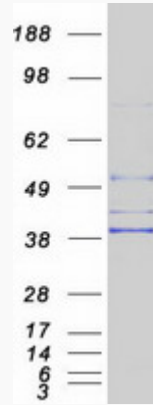
| | |
|------------------------|--|
| Gene Name | AGPAT5 1-acylglycerol-3-phosphate O-acyltransferase 5 [Homo sapiens (human)] |
| Official Symbol | AGPAT5 |
| Synonyms | AGPAT5; 1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon); 1-acyl-sn-glycerol-3-phosphate 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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