

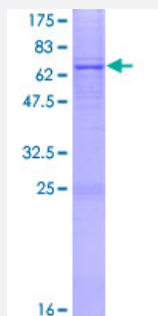
Full-Length

AGPAT5 (Human) Recombinant Protein (P01)

Catalog # H00055326-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human AGPAT5 full-length ORF (NP_060831.2, 1 a.a. - 364 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLLSVLHTYSMRYLLPSVLLGTAPTYVLAWGVWRLLSAFLPARFYQALDDRLYCVYQSMVLFF
FENYTGQVQILLYGDLKPKNKENIYLANHQSTVDWVADILAIRQNALGHVRYVLKEGLKWPLYGCYF
AQHGGIYVKRSKAFNEKEMRNKLQSYVDAGTPMYLVIFPEGTRYNPEQTKVLSASQAFAAQRGLA
VLKHVLTPIKATHVAFDCMKNYLDAYDVTVVYEGKDDGGQRRESPTMTEFLCKECPKIHIDRID
KKDVPEEQEHMRRWLHERFEIKDKMLIEFYESPDPERRKRFPGKSVNSKLSIKKTLPMSMLISGLT
AGMLMTDAGRKLYVNTWIYGTLLGCLWVTIKA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.5

Interspecies Antigen Sequence

Mouse (81); Rat (80)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — AGPAT5

Entrez GeneID[55326](#)**GeneBank Accession#**[NM_018361.3](#)**Protein Accession#**[NP_060831.2](#)**Gene Name**

AGPAT5

Gene Alias

1-AGPAT5, LPAAT-e, LPAAT-epsilon

Gene Description

1-acylglycerol-3-phosphate O-acyltransferase 5 (lysophosphatidic acid acyltransferase, epsilon)

Gene Ontology[Hyperlink](#)**Gene Summary**

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. [provided by RefSeq]

Other Designations

1-AGP acyltransferase 5|1-acyl-sn-glycerol-3-phosphate acyltransferase epsilon|1-acylglycerol-3-phosphate O-acyltransferase 5|lysophosphatidic acid acyltransferase, epsilon

Disease

- [Tobacco Use Disorder](#)