

## Product Information

### MemDX™ Membrane Protein Human AGPAT5 (1-acylglycerol-3-phosphate O-acyltransferase 5) for Antibody Discovery

Cat. No.: **MP0482J**

This product is for research use only and is not intended for diagnostic use.

This product is a 41.9 kDa Human AGPAT5 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

#### Product Specifications

##### Host Species

Human

##### Target Protein

AGPAT5

##### Protein Length

Full-length

##### Protein Class

Transmembrane

##### Molecular Weight

41.9 kDa

##### TMD

3

##### Sequence

MLLSVLVHTYSMRYLLPSVLLGTAPTYVLAWGVWRLLSAFLPARFYQALDDRLYCVYQSMVLFFFENYT  
GVQILLYGDLPKNKENIYLANHQSTVDWIVADILAIRQNALGHVRYVLKEGLKWLPYGCYFAQHGGIY  
VKRSAKFNEKEMRNKLQSYVDAGTPMYLVIFPEGTRYNPEQTKVLSASQAFAAQRGLAVLKHVLTTPRIKA  
THVAFDCMKNYLDAIYDVTVVYEGKDDGGQRRESPTMTEFLCKECPKIHIIHIDRIDKKDVPEEQEHMRRW  
LHERFEIKDKMLIEFYESPDPERRKRFPGKSVNSKLSIKKTLPSMLILSGLTAGMLMTDAGRKLIVNTWI  
YGTLLGCLWVTIKA

#### Product Description

##### Expression Systems

HEK293T

##### Tag

C-Myc/DDK

**Form**

Liquid

**Purification**

Anti-DDK affinity column followed by conventional chromatography steps

**Purity**

> 80% as determined by SDS-PAGE and Coomassie blue staining

**Buffer**

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

AGPAT5

**Full Name**

1-acylglycerol-3-phosphate O-acyltransferase 5

**Introduction**

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.

**Alternative Names**

LPAATE; 1AGPAT5

**Gene ID**

[55326](#)

**UniProt ID**

[Q9NUQ2](#)