

## Product Information

### MemDX™ Membrane Protein Human AGPAT3 (1-acylglycerol-3-phosphate O-acyltransferase

#### 3) Full Length

Cat. No.: **MPC2838K**

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

This product is a made-to-order Human AGPAT3 membrane protein expressed in HEK293. 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

AGPAT3

##### Protein Length

Full length

##### Protein Class

Transferase

##### TMD

2

##### Sequence

MGLLAFLKTQFVLHLLVGFVVFVVSGLVINFVQLCTLALWPVSKQLYRRLN  
CRLAYSLWSQLVMLEWWSCTECTLFDTQATVERFGKEHAVIILNHNFEI  
DFLCGWTMCERFGVLGSSKVLAKKELLYVPLIGWTWYFLEIVFCKRKWEE  
DRDTVVEGLRRLSDYPEYMWFLLYCEGTRFTETKHRVSMEVAAAKGLPVL  
KYHLLPRTKGFTTAVKCLRGTVAAVYDVTNFRGNKNPSLLGILYGKKYE  
ADMCVRRFPLEDIPLDEKEAAQWLHKLYQEKDALQEIYNQKGMFPGEQFK  
PARRPWTLNFLSWATILLSPLFSFVLGVFASGSPLLITFLGFVGAASF  
GVRRLIGVTEIEKGSSYGNQEFKKKE

#### Product Description

##### Expression Systems

HEK293

##### Tag

Based on specific requirements

##### Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

AGPAT3

**Full Name**

1-acylglycerol-3-phosphate O-acyltransferase 3

**Introduction**

The protein encoded by this gene is an acyltransferase that converts lysophosphatidic acid into phosphatidic acid, which is the second step in the de novo phospholipid biosynthetic pathway. The encoded protein may be an integral membrane protein. Two transcript variants encoding the same protein have been found for this gene.

**Alternative Names**

AGPAT3; LPAAT3; 1-AGPAT 3; LPAAT-GAMMA1; 1-acyl-sn-glycerol-3-phosphate acyltransferase gamma; 1-AGP acyltransferase 3; lysophosphatidic acid acyltransferase gamma; lysophosphatidic acid acyltransferase-gamma1; 1-acylglycerol-3-phosphate O-acyltransferase 3

**Gene ID**

[56894](#)

**UniProt ID**

[Q9NRZ7](#)