

## Product Information

### MemDX™ Membrane Protein Human AGPAT4 (1-acylglycerol-3-phosphate O-acyltransferase

#### 4) Full Length

Cat. No.: **MPC2852K**

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

This product is a made-to-order Human AGPAT4 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

AGPAT4

##### Protein Length

Full length

##### Protein Class

Transferase

##### TMD

4

##### Sequence

MDLAGLLKSQFLCHLVFCYVFIASGLIINTIQLFTLLLWPINKQLFRKIN  
CRLSYCISSQLVMLLEWWSGTECTIFTDPRAYLKYGKENAIVVLNHNKFEI  
DFLCGWSLSERFGLLGSKVLAKKELAYVPIIGWMWYFTMVFCSRKWEQ  
DRKTVATSLQHRLDYPEKYFFLIHCEGTRFTEKKHEISMQVARAKGLPRL  
KHHLLPRTKGFAITVRSRLRNVSAYVDCTLNFRNNENPTLLGVLNGKKYH  
ADLYVRRIPLEDIPEDDDECSAWLHKLYQEKDAFQEEYYRTGTFPETPMV  
PPRRPWTLVNWLFWASLVLYPFFQFLVSMIRSGSSLTLASFILVFFVASV  
GVRWMIGVTEIDKGSAYGNSDSKQKLND

#### 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**

AGPAT4

**Full Name**

1-acylglycerol-3-phosphate O-acyltransferase 4

**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.

**Alternative Names**

AGPAT4; 1-AGPAT4; dJ473J16.2; LPAAT-delta; 1-acyl-sn-glycerol-3-phosphate acyltransferase delta; 1-AGP acyltransferase 4; 1-AGPAT 4; 1-acylglycerol-3-phosphate O-acyltransferase 4 (lysophosphatidic acid acyltransferase, delta); lysophosphatidic acid acyltransferase delta; lysophosphatidic acid acyltransferase-delta (LPAAT-delta); 1-acylglycerol-3-phosphate O-acyltransferase 4

**Gene ID**

[56895](#)

**UniProt ID**

[Q9NRZ5](#)