

Product Information

MemDX™ Membrane Protein Human GPAT4 (Glycerol-3-phosphate acyltransferase 4) Full Length

Cat. No.: **MPC3721K**

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

This product is a made-to-order Human GPAT4 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

GPAT4

Protein Length

Full length

Protein Class

Transferase

TMD

2

Sequence

MFLLLPFD SLIVNLLGISLTVLFTLLLVFIIVPAIFGVSF GIRKLYMKSL
LKIFAWATLRMERGAKEKNHQLYKPYTNGIIAKDPTSLEEEIKEIRRS
SKALDNTPEFELSDIFYFCRKGMETIMDDEVTKRFSAAEELSWNLLSRTN
YNFQYISLRLTVLWGLGVLIRYCFLPLRIALFTGISLLVVGTTVGYL
PNGRFKEFMSKHVHLMCYRICVRALTAITYHDRENRP RNGGICVANHTS
PIDVILASDGYIAMVGQVHGGLMGVIQRAMVKACPHVWFERSEVKDRHL
VAKRLTEHVQDKSKLPILIFPEGTCINNTSVMMFKKGSFEIGATVYPVAI
KYDPQFGDAFWNSSKYGMVTYLLRMMTSWAIVCSVWYLPPMTREADEDAV
QFANRVKSAIARQGGLVDLLWDGGLKREKVKDTFKEEQKLYSKMIVGNH
KDRSRS

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**

GPAT4

Full Name

Glycerol-3-phosphate acyltransferase 4

Introduction

Lysophosphatidic acid acyltransferases (EC 2.3.1.51) catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA). LPA and PA are involved in signal transduction and lipid biosynthesis.

Alternative Names

GPAT4; AGPAT6; LPAATZ; TSARG7; 1-AGPAT 6; LPAAT-zeta; 1-AGP acyltransferase 6; 1-acyl-sn-glycerol-3-phosphate acyltransferase zeta; 1-acylglycerol-3-phosphate O-acyltransferase 6 (lysophosphatidic acid acyltransferase, zeta); glycerol-3-phosphate acyltransferase 6; lysophosphatidic acid acyltransferase zeta; testis spermatogenesis apoptosis-related protein 7; Glycerol-3-phosphate acyltransferase 4

Gene ID

[137964](#)

UniProt ID

[Q86UL3](#)