

Product Information

MemDX™ Membrane Protein Human LPCAT4 (Lysophosphatidylcholine acyltransferase 4) for Antibody Discovery

Cat. No.: **MP0462J**

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

This product is a 57 kDa Human LPCAT4 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

LPCAT4

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

57 kDa

TMD

2

Sequence

MSQGGSPGDWAPLDPTPGPPASPNPFVHELHLSRLQQRVKFCLLGALLAPIRVLLAFIVLFLLWPFQAWLQVA
GLSEEQQLQEPITGWRKTVCHNGVLGLSRLFFLLGFLRIRVRGQQRASRLQAPVLVAAPHSTFFDPIVLLP
CDLPKVVSRANLSVPVIGALLRFNQAILVSRHDPASRRRVVEEVRRRATSGGKWPQVLFPEGTCSNKK
ALLKFKPGAFIAGVPVQPVLI RYPNSLDTTSAWRGPGVVKVLTASQPCSI DVFLPVYHPSPEESR
DPTLYANNVQRVMAQALGIPATECEFGSLPVIIVGRLKVALEPQLWELGKVL RKAGLSAGYVDAGAEPG
RSRMISQEEFARQLQLSDPQTVAGAFGYFQQDTKGLVDFRDVALALALDGGRSLEELTRLAFELFAEEQ
AEGPNRLLYKDGFSILHLLLGSPHPAATALHAELCQAGSSQGLSLCQFQNFSLHDPLYGKLFSTYLRPP
HTSRGTSQTPNASSPGNPTALANGTVQAPKQKGD

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**

LPCAT4

Full Name

Lysophosphatidylcholine acyltransferase 4

Introduction

Members of the 1-acylglycerol-3-phosphate O-acyltransferase (EC 2.3.1.51) family, such as AGPAT7, catalyze the conversion of lysophosphatidic acid (LPA) to phosphatidic acid (PA), a precursor in the biosynthesis of all glycerolipids. Both LPA and PA are involved in signal transduction.

Alternative Names

AYTL3; AGPAT7; LPEAT2; LPAAT-eta

Gene ID

[254531](#)

UniProt ID

[Q643R3](#)