

Product Information

MemDX™ Membrane Protein Human AGPAT2 (1-acylglycerol-3-phosphate O-acyltransferase

2) Expressed *in vitro* *E.coli* expression system, Full Length of Mature Protein

Cat. No.: **MPX1501K**

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

This product is a Human AGPAT2 membrane protein expressed *in vitro* *E.coli* expression system. 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

AGPAT2

Protein Length

Full Length of Mature Protein

Protein Class

Transferase

TMD

2

Sequence

AEFYAKVALYCALCFTVSAVASLVCLLRHGGRTVENMSIIGWFVRSFKYFYGLRFEVRDPRLQEARPCVIVSNHQSIIDMMGLMEV

Product Description

Expression Systems

in vitro *E.coli* expression system

Tag

10xHis tag at the N-terminus

Protein Format

Soluble

Form

Liquid or Lyophilized powder

Buffer

Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°C or lower. Avoid freeze/thaw cycles.

Target

Target Protein

AGPAT2

Full Name

1-acylglycerol-3-phosphate O-acyltransferase 2

Introduction

This gene encodes a member of the 1-acylglycerol-3-phosphate O-acyltransferase family. The protein is located within the endoplasmic reticulum membrane and converts lysophosphatidic acid to phosphatidic acid, the second step in de novo phospholipid biosynthesis. Mutations in this gene have been associated with congenital generalized lipodystrophy (CGL), or Berardinelli-Seip syndrome, a disease characterized by a near absence of adipose tissue and severe insulin resistance. Alternate transcriptional splice variants, encoding different isoforms, have been characterized.

Alternative Names

AGPAT2; BSCL; BSCL1; LPAAB; 1-AGPAT2; LPAAT-beta; 1-AGP acyltransferase 2; 1-AGPAT 2; 1-acylglycerol-3-phosphate O-acyltransferase 2 (lysophosphatidic acid acyltransferase, beta); lysophosphatidic acid acyltransferase-beta; testicular tissue protein Li 143; 1-acylglycerol-3-phosphate O-acyltransferase 2

Gene ID

[10555](#)

UniProt ID

[O15120](#)