

Product Information

MemDX™ Membrane Protein Human MBOAT7 (Membrane bound O-acyltransferase domain containing 7) Expressed *in vitro* *E.coli* expression system, Full Length

Cat. No.: **MPX3599K**

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

This product is a Human MBOAT7 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

MBOAT7

Protein Length

Full Length

Protein Class

Transferase

TMD

6

Sequence

MSPEEWTYLVVLLISIPIGFLFKKAGPGLKRWGAAAVGLGLTLFTCGPHTLHSLVTILGTWALIQAQPC SCHALALAWTFSYLLFFRAL

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

MBOAT7

Full Name

Membrane bound O-acyltransferase domain containing 7

Introduction

This gene encodes a member of the membrane-bound O-acyltransferases family of integral membrane proteins that have acyltransferase activity. The encoded protein is a lysophosphatidylinositol acyltransferase that has specificity for arachidonoyl-CoA as an acyl donor. This protein is involved in the reacylation of phospholipids as part of the phospholipid remodeling pathway known as the Land cycle. Alternative splicing results in multiple transcript variants.

Alternative Names

MBOAT7; BB1; LRC4; LENG4; LPIAT; LPLAT; MBOA7; MRT57; OACT7; hMBOA-7; lysophospholipid acyltransferase 7; 1-acylglycerophosphatidylinositol O-acyltransferase; LPLAT 7; bladder and breast carcinoma-overexpressed gene 1 protein; h-mboa-7; leukocyte receptor cluster (LRC) member 4; lyso-PI acyltransferase; lysophosphatidylinositol acyltransferase; malignant cell expression-enhanced gene/tumor progression-enhanced; Membrane bound O-acyltransferase domain containing 7

Gene ID

[79143](#)

UniProt ID

[Q96N66](#)