

Product Information

MemDX™ Membrane Protein Human MBOAT7 (Membrane bound O-acyltransferase domain containing 7)

Cat. No.: **MP0230J**

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

This product is a 52.6 kDa Human MBOAT7 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

MBOAT7

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

52.6 kDa

TMD

7

Sequence

MSPEEWTYLVVLLISIPIGFLFKKAGPGLKRWGAAVGLGLTLFTCGPHTLHSLVTILGTWALIQAPCS
CHALALAWTFSYLLFFRALSLLGLPTPTPFTNAVQLLLTLKLVSLASEVQDLHLAQRKEMASGFSKGPTL
GLLPDVPSLMETLSYSYCYVGIMTGPFFRYRTYLDWLEQPFPGAVPSLRPLRRRAWPAPLFGLLFLLSSH
LFPLEAVREDAFYARPLPARLFYMIPVFFAFRMRFYVAWIAAECGCIAAGFGAYPVAAKARAGGGPTLQC
PPPSSPEKAASLEYDYETIRNIDCYSTDFCVRVRDGMRYWNMTVQWWLAQYIYKSAPARSYVLRSAWTML
LSAYWHGLHPGYLSFLTIPLCCLAAEGRLESALRGRLSPGGQKAWDVHWFVKMRAYDYMCMGMFVLLSLA
DTLRYWASIYFCIHFLALAAALGLGLALGGGSPSRKAASQPTSLAPEKLREE

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**

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

BB1; LRC4; LENG4; LPIAT; LPLAT; MBOA7; MRT57; OACT7; hMBOA-7; leukocyte receptor cluster (LRC) member 4; LPLAT 7; bladder and breast carcinoma-overexpressed gene 1 protein

Gene ID

[79143](#)

UniProt ID

[Q96N66](#)