

Datasheet for ABIN7564354

MBOAT1 Protein (AA 1-492) (His tag)



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Overview

Quantity:	1 mg
Target:	MBOAT1
Protein Characteristics:	AA 1-492
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBOAT1 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mboat1 Protein expressed in mammalien cells.
Sequence:	<p>MAARPPASLS YRTTGSTCLH PLSQLLGIPL DQVNFVACQL FALSAAFWFR IYLHPGKASP EVRHTLATIL GIYFVFCFG WYAVHLFVLV LMCYGVMVTA SVSNIHRYSF FVAMGYLTIC HISRIYIFHY GILTTDFSGP LMIVTQKITT LAFQVHDGLG RKAEDLSAEQ HRLAVKAKPS LLEYLSYHLN FMSVIAGPCN NFKDYVAFIE GRHIHMKLLE VNWTQRGFQS LPEPSPMGAV IQKLCVTLMS LLLFLTLSKS FPVTFLIDDW FVHKANFLSR LWYLYVVMQA AKPKYYFAWT LADAVHNAAG FGFNGMDTDG KSRWDLLSNL NIWKIETATS FKMYLENWNI QTSTWLKCV C YERVPWYPTV LTFLLSALWH GVYPGYFTF LTGVPVTLAA RAVRNYYRHH FLSSKARKIA YDVVTWAVTQ LAVSYTAAPF VMLAVEPTIS LYKSVFFFLH IICLLIILFL PIKPHQPQRQ SRSPNSVKKK AD</p> <p>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</p>

Product Details

Characteristics:

Key Benefits:

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity:

> 90 % as determined by Bis-Tris Page, Western Blot

Grade:

custom-made

Target Details

Target:

MBOAT1

Alternative Name:

Mboat1 ([MBOAT1 Products](#))

Background:

Lysophospholipid acyltransferase 1 (LPLAT 1) (EC 2.3.1.-) (1-acylglycerophosphocholine O-acyltransferase) (EC 2.3.1.23) (1-acylglycerophosphoethanolamine O-acyltransferase MBOAT1) (EC 2.3.1.n7) (1-acylglycerophosphoserine O-acyltransferase MBOAT1) (EC 2.3.1.n6) (Lysophosphatidylethanolamine acyltransferase 1) (LPE acyltransferase 1) (LPEAT1) (Lyso-PE acyltransferase) (Lysophosphatidylserine acyltransferase) (LPSAT) (Lyso-PS acyltransferase) (Membrane-bound O-acyltransferase domain-containing protein 1) (O-acyltransferase domain-containing protein 1),FUNCTION: Acyltransferase which catalyzes the transfer of an acyl group from an acyl-CoA towards a lysophospholipid producing a phospholipid and participates in the reacylation step of the phospholipid remodeling pathway also known as the Lands cycle (PubMed:18287005). Acts on lysophosphatidylserine (1-acyl-2-hydroxy-sn-glycero-3-phospho-L-serine or LPS) and lysophosphatidylethanolamine (1-acyl-sn-glycero-3-phosphoethanolamine or LPE), and to a lesser extend lysophosphatidylcholine (PubMed:18287005). Prefers oleoyl-CoA as the acyl donor and 1-oleoyl-LPE as acceptor (PubMed:18287005). May play a role in neurite

Target Details

	outgrowth during neuronal differentiation (PubMed:27048541). {ECO:0000269 PubMed:18287005, ECO:0000269 PubMed:27048541}.
Molecular Weight:	56.2 kDa
UniProt:	Q8BH98

Application Details

Application Notes:	In addition to the applications listed above we expect the protein to work for functional studies as well. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months