

Datasheet for ABIN7564700

MBOAT2 Protein (AA 1-519) (His tag)



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Overview

Quantity:	1 mg
Target:	MBOAT2
Protein Characteristics:	AA 1-519
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBOAT2 protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Mboat2 Protein expressed in mammalian cells.
Sequence:	<p>MATTSTTGST LLQPLSNAVQ LPIDQVNFVV CQLFALLAAV WFRTYLHSSK TSSFIRHVVA</p> <p>TLLGLYLAF CFGWYALHFL VQSGISYICIM IIAGVESMQQ CCFVFALGYL SVCQITRVYI</p> <p>FDYGQYSADF SGPMMIITQK ITSLAYEIHG GMFRKDEELT PSQRGLAVRR MPSLLEYVSY</p> <p>TCNFMGILAG PLCSYKDYIA FIEGRASHVA QPSENGKDEQ HGKADPSPNA AVTEKLLVCG</p> <p>LSLLFHLTIS NMLPVEYNID EHFQATASWP TKATYLYVSL LAARPKYYFA WTLADAINNA</p> <p>AGFGFRGYDK NGVARWDLIS NLRIQIEMS TSFKMFLDNW NIQTALWLKR VCYERATFSP</p> <p>TIQTFFLSAI WHGVYPGYL TFLTGVLM TL AARAVRNNFR HYFLEPPQLK LFYDLITWVA</p> <p>TQITISYTVV PFVLLSIKPS FTFYSSWYYC LHVCSILVLL LLPVKKSQRR TSTQENVHLS</p> <p>QAKKFDERDN PLGQNSFSTM NNVCNQNRDT GSRHSSLTQ 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</p>

request, please contact us.

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:

MBOAT2

Alternative Name:

Mboat2 ([MBOAT2 Products](#))

Background:

Lysophospholipid acyltransferase 2 (LPLAT 2) (EC 2.3.1.-) (1-acylglycerophosphocholine O-acyltransferase) (EC 2.3.1.23) (1-acylglycerophosphoethanolamine O-acyltransferase) (EC 2.3.1.n7) (Lysophosphatidylcholine acyltransferase) (LPCAT) (Lyso-PC acyltransferase) (Lysophosphatidylcholine acyltransferase 4) (Lyso-PC acyltransferase 4) (mLPCAT4) (Lysophosphatidylethanolamine acyltransferase) (LPEAT) (Lyso-PE acyltransferase) (Membrane-bound O-acyltransferase domain-containing protein 2) (O-acyltransferase domain-containing protein 2),FUNCTION: Acyltransferase which catalyzes the transfer of an acyl group from an acyl-CoA to a lysophospholipid leading to the production of a phospholipid and participates in the reacylation step of the phospholipid remodeling pathway also known as the Lands cycle (PubMed:18287005, PubMed:29196633). Catalyzes the acylation of lysophosphatidylcholine (1-acyl-sn-glycero-3-phosphocholine or LPC) and to a lesser extend lysophosphatidylethanolamine (1-acyl-sn-glycero-3-phosphoethanolamine or LPE)

Target Details

(PubMed:18287005, PubMed:29196633). Does not acylates lysophosphatidic acid (LPA) and lysophosphatidylserine (PubMed:18287005). Prefers oleoyl-CoA as the acyl donor (PubMed:18287005, PubMed:29196633). May be involved in chondrocyte differentiation (PubMed:29196633). {ECO:0000269|PubMed:18287005, ECO:0000269|PubMed:29196633}.

Molecular Weight: 59.0 kDa

UniProt: [Q8R3I2](#)

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