Datasheet for ABIN7554472

MBOAT1 Protein (AA 1-495) (His tag)

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Overview

Quantity:	1 mg
Target:	MBOAT1
Protein Characteristics:	AA 1-495
Origin:	Human
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:	MAAEPQPSSL SYRTTGSTYL HPLSELLGIP LDQVNFVVCQ LVALFAAFWF RIYLRPGTTS SDVRHAVATI FGIYFVIFCF GWYSVHLFVL VLMCYAIMVT ASVSNIHRYS FFVAMGYLTI CHISRIYIFH YGILTTDFSG PLMIVTQKIT TLAFQVHDGL GRRAEDLSAE QHRLAIKVKP SFLEYLSYLL NFMSVIAGPC NNFKDYIAFI EGKHIHMKLL EVNWKRKGFH SLPEPSPTGA VIHKLGITLV SLLLFLTLTK TFPVTCLVDD WFVHKASFPA RLCYLYVVMQ ASKPKYYFAW TLADAVNNAA GFGFSGVDKN GNFCWDLLSN LNIWKIETAT SFKMYLENWN IQTATWLKCV CYQRVPWYPT VLTFILSALW HGVYPGYYFT FLTGILVTLA ARAVRNNYRH YFLSSRALKA VYDAGTWAVT QLAVSYTVAP FVMLAVEPTI SLYKSMYFYL HIISLLIILF LPMKPQAHTQ RRPQTLNSIN KRKTD **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.**

Product Details

Characteristics:	Key Benefits: • Made to order protein - from design to production - by highly experienced protein experts. • Protein expressed in mammalien 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) (1-acylglycerophosphocholine O-acyltransferase) (EC 2.3.1.23) (1-acylglycerophosphoethanolamine O-acyltransferase) (EC 2.3.1.n7) (1-acylglycerophosphoserine O-acyltransferase MBOAT1) (EC 2.3.1.n6) (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:18772128). 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:18772128). Prefers oleoyl-CoA as the acyl donor and 1-oleoyl-LPE as acceptor (PubMed:18772128). May play a role in neurite outgrowth during neuronal differentiation (By similarity). {ECO:0000250|UniProtKB:Q8BH98,

Target Details

	ECO:0000269|PubMed:18772128}.
Molecular Weight:	56.6 kDa
UniProt:	Q6ZNC8

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