

Datasheet for ABIN7549538

MOGAT3 Protein (AA 1-341) (His tag)



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Overview

Quantity:	1 mg
Target:	MOGAT3
Protein Characteristics:	AA 1-341
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MOGAT3 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MOGAT3 Protein expressed in mammalian cells.
Sequence:	<p>MGVATTLLQPP TTSKTLQKQH LEAVGAYQYV LTFLEMGPF SLLVFVLLFT SLWPFSVFYL</p> <p>VWLYVDWDTP NQGRRSEWI RNRAIWRQLR DYYPVKLVKT AELPPDRNYV LGAHPHGIMC</p> <p>TGFLCNFSTE SNGFSQLFPG LRPWLAVLAG LFYLPVYRDY IMSFGLCPVS RQSLDFILSQ</p> <p>PQLGQAVVIM VGGAHEALYS VPGEHCLTLQ KRKGFVRLAL RHGASLVPVY SFGENDIFRL</p> <p>KAFATGSWQH WCQLTFKKLM GFSPCIFWGR GLFSATSWGL LPFAVPITTV VGRPIVPQR</p> <p>LHPTTEEVNH YHALYMTALE QLFEEHKESC GVPASTCLTF 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>
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	Key Benefits:

Product Details

- 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, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target:	MOGAT3
Alternative Name:	MOGAT3 (MOGAT3 Products)
Background:	2-acylglycerol O-acyltransferase 3 (EC 2.3.1.20) (EC 2.3.1.22) (Acyl-CoA:monoacylglycerol acyltransferase 3) (MGAT3) (Diacylglycerol O-acyltransferase candidate 7) (hDC7) (Diacylglycerol acyltransferase 2-like protein 7) (Monoacylglycerol O-acyltransferase 3),FUNCTION: Catalyzes the formation of diacylglycerol from 2-monoacylglycerol and fatty acyl-CoA. Also able to catalyze the terminal step in triacylglycerol synthesis by using diacylglycerol and fatty acyl-CoA as substrates. Has a preference toward palmitoyl-CoA and oleoyl-CoA. May be involved in absorption of dietary fat in the small intestine by catalyzing the resynthesis of triacylglycerol in enterocytes. Also able to use 1-monoalkylglycerol (1-MAkG) as an acyl acceptor for the synthesis of monoalkyl-monoacylglycerol (MAMAG) (PubMed:28420705). {ECO:0000269 PubMed:12618427, ECO:0000269 PubMed:27184406, ECO:0000269 PubMed:28420705}.
Molecular Weight:	38.7 kDa
UniProt:	Q86VF5

Application Details

Application Notes:	We expect the protein to work for functional studies. 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