

Datasheet for ABIN7549322  
**MBOAT4 Protein (AA 1-435) (His tag)**



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Overview

Quantity:	1 mg
Target:	MBOAT4
Protein Characteristics:	AA 1-435
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MBOAT4 protein is labelled with His tag.
Application:	SDS-PAGE (SDS), Western Blotting (WB)

Product Details

Purpose:	Custom-made recombinat MBOAT4 Protein expressed in mammalien cells.
Sequence:	MEWLWLFFLH PISFYQGAAP PFALLFNYLC IMDSFSTRAR YLFLTGGGA LAVAAMGSYA VLVFTPAVCA VALLCSLAPQ QVHRWTF CFQ MSWQTLCHLG LHYTEYYLHE PPSVRFCITL SSLMLLTQRV TSLSLDICEG KVKAASGGFR SRSSLSEHVC KALPYFSYLL FFPALLGGSL CSFQRFQARV QGSSALHPRH SFWALSWRGL QILGLECLNV AVSRVVDAGA GLTDCQQFEC IYVWTTAGL FKLTYYSHWI LDDSLHAAG FGPELGQSPG EEGYVPDADI WTLERTHRIS VFSRKWNQST ARWLRRLVFQ HSBRAWPLLQT FAFSAWWHGL HPGQVFGFVC WAVMVEADYL IHSFANEFIR SWPMRLFYRT LTWAHTQLII AYIMLAVEVR SLSSLWLLCN SYNVSFPMVY CILLLLLA KR KHKCN <b>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.</b>
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, Western Blot

Grade: custom-made

## Target Details

Target: MBOAT4

Alternative Name: MBOAT4 ([MBOAT4 Products](#))

Background: Ghrelin O-acyltransferase (EC 2.3.1.-) (Membrane-bound O-acyltransferase domain-containing protein 4) (O-acyltransferase domain-containing protein 4),FUNCTION: Catalyzes ghrelin acylation at 'Ser-3' using preferentially octanoyl-CoA, hexanoyl-CoA and decanoyl-CoA as acyl-CoA donors leading to ghrelin activity (PubMed:24045953, PubMed:18443287, PubMed:25562443, PubMed:28134508). In vitro uses also acyl-CoA donors of different lengths from short-chain (C2) to long-chain fatty acids (C16) knowing that acyl-CoA donors from butanoyl-CoA (C4) to dodecanoyl-CoA (C12) are more efficient compared to longer acyl-CoA donors, such as myristoyl-CoA (C14) and palmitoyl-CoA (C16) that are not efficient (PubMed:18443287). {ECO:0000269|PubMed:18443287, ECO:0000269|PubMed:24045953, ECO:0000269|PubMed:25562443, ECO:0000269|PubMed:28134508}.

Molecular Weight: 49.7 kDa

UniProt: [Q96T53](#)

Pathways: [Peptide Hormone Metabolism](#)

## 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.
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Restrictions:	For Research Use only
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## 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