

Datasheet for ABIN7558490
MGAT4A Protein (AA 1-535) (His tag)



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Overview

Quantity:	1 mg
Target:	MGAT4A
Protein Characteristics:	AA 1-535
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MGAT4A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mgat4a Protein expressed in mammalian cells.
Sequence:	<p>MRLRNGTVAT ALVFVTSFLT LSWYTTWQNG KEKLIAYQRE FLALKERLRV AEHRISQRSS ELNTIVQQFR RAGAETNGSK TALSTISDNT IKLLKELTSK KSLRVPSIYY HLPHELLQNER SLQPAVQIGS GRTGVSIVMG IPTVKREVKS YLVETLHSLI DNLYPEEKLD CVIVFIGET DLDYVHSVVA NLEKEFSREI SSGLLEIISP PESYYPDLTN LKETFGDSKE RVRWRWKQNL DYCFLMMYAQ EKGIIYIQL EDDIIVKQNYF NTIKNFALQL SSEEWMILEF SQLGFIGKMF QAPDLALVVE FILMFYKEKP IDWLLDHILW VKVCNPEKDA KHCDRQKANL RIRFRPSLFQ HVGLHSSL SG KIQKLT DKDY MKPLLLKVHV NPPAEVSTSL KVYQGHTLEK TYMGEDFFWA ITPTAGDYIL FKFDKPVNVE SYLFHSGNQE HPGDILLNTT VDVLPKSDS LEISKETKDK RLEDGYFRIG KFEYGVAEGI VDPGLNPISA FRLSVIQNSA VWAILNEIHI KKVTS 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

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:**

- 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: MGAT4A

Alternative Name: Mgat4a ([MGAT4A Products](#))

Background: Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A (EC 2.4.1.145) (N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVa) (GlcNAc-T IVa) (GnT-IVa) (N-acetylglucosaminyltransferase IVa) (UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IVa) [Cleaved into: Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A soluble form],**FUNCTION:** Glycosyltransferase that catalyze the transfer of GlcNAc from UDP-GlcNAc to the GlcNAcbeta1-2Manalpha1-3 arm of the core structure of N-linked glycans through a beta1-4 linkage and participates in the production of tri- and tetra-antennary N-linked sugar chains (PubMed:16377570). Involved in glucose transport by mediating SLC2A2/GLUT2 glycosylation, thereby controlling cell-surface expression of SLC2A2 in pancreatic beta cells (PubMed:16377570). {ECO:0000269|PubMed:16377570}.

Target Details

Molecular Weight: 61.5 kDa

UniProt: [Q812G0](#)

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