

Datasheet for ABIN7554541

MGAT4C Protein (AA 1-478) (His tag)



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Overview

Quantity:	1 mg
Target:	MGAT4C
Protein Characteristics:	AA 1-478
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MGAT4C protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MGAT4C Protein expressed in mammalian cells.
Sequence:	MFKFHQMKHI FEILDKMRCL RKRSTVSFLG VLVIFLLFMN LYIEDSYVLE GDKQLIRETS THQLNSERYV HTFKDLSNFS GAINVTYRYL AATPLQRKRY LTIGLSSVKR KKGNYLLETI KSIFEQSSYE ELKEISVVVH LADFNSSWRD AMVQDITQKF AHIIAGRLM VIHAPEEYYP ILDGLKRNYN DPEDRVKFRS KQNVDYAFLL NFCANTSDDY VMLEDDVRCS KNFLTAIKKV IASLEGTYWV TLEFSKLGVI GKLYHSHDLP RLAHFLLMFY QEMPCDWLLT HFRGLLAQKN VIRFKPSLFQ HMGYYSSYKG TENKLKDDDF EEESFDIPDN PPASLYTNMN VFENYEASKA YSSVDEYFWG KPPSTGDVFV IVFENPIIK KIKVNTGTED RQNDILHHGA LDVGENVMPS KQRRQCSTYL RLGEFKNGNF EMSGVNQKIP FDIHCMRIYV TKTQKEWLI RSISIWTS 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.
Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different

Product Details

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:

MGAT4C

Alternative Name:

MGAT4C ([MGAT4C Products](#))

Background:

Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase C (EC 2.4.1.145) (N-acetylglucosaminyltransferase IV homolog) (hGnT-IV-H) (N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVc) (GlcNAc-T IVc) (GnT-IVc) (N-acetylglucosaminyltransferase IVc) (UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IVc), FUNCTION: Glycosyltransferase that participates in the transfer of N-acetylglucosamine (GlcNAc) to the core mannose residues of N-linked glycans. Catalyzes the formation of the GlcNAc β 1-4 branch on the GlcNAc β 1-2Man α 1-3 arm of the core structure of N-linked glycans. Essential for the production of tri- and tetra-antennary N-linked sugar chains (By similarity). Does not catalyze the transfer of GlcNAc to the Man α 1-6 arm to form GlcNAc β 1-4Man α 1-6 linkage ('GnT-VI' activity). {ECO:0000250, ECO:0000269|PubMed:10962001}.

Molecular Weight:

56.1 kDa

Target Details

UniProt: [Q9UBM8](#)

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