

Datasheet for ABIN7564323

MGAT4B Protein (AA 1-548) (His tag)



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Overview

Quantity:	1 mg
Target:	MGAT4B
Protein Characteristics:	AA 1-548
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MGAT4B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mgat4b Protein expressed in mammalian cells.
Sequence:	MRLRNGTFLT LLLFCLCAFL SLSWYAALSG QKGDVVDIYQ REFLALRDRL HAAEQESLKR SKELNLVLEE IKRAVSRQA LRDGEGNRTW GRLTEDPRLK PWNVSHRHVL HLPTVFHHLP HLLAKESSLQ PAVRVGQGR T GSVVMGIPS VRREVHSYLT DTLHSLISEL SPQEKEDSVI VVLI AETDPQ YTS AVTENIK ALFPTEIHSG LLEVISPSPH FYPDFSRLRE SFGDPKERV WRTKQNLDYC FLMMYAQSKG IYYVQLEDDI VAKPNYLSTM KNFALQQPSE DWMILEFSQL GFIGKMFKSL DLSLIVEFIL MFYRDKPIDW LLDHILWVKV CNPEKDAKHC DRQKANLRIR FKPSLFQHVG THSSLAGKI Q KLKDKDFGKH ALRKEHVNPP AEVSTSLKTY QHFTLEKAYL REDFFWAFTP AAGDFIRFR FQPLRLERFF FRSGNIEHPE DKLFNTSVEV LPFDNPQSEK EALQEGRSAT LRYPRSPDGY LQIGSFYKGV AEGEVDPAFG PLEALRLSIQ TDSPVWVILS EIFLKKAD 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

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:	MGAT4B
Alternative Name:	Mgat4b (MGAT4B Products)
Background:	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B (EC 2.4.1.145) (N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVb) (GlcNAc-T IVb) (GnT-IVb) (N-acetylglucosaminyltransferase IVb) (UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IVb),FUNCTION: Glycosyltransferase that catalyzes 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. Prefers complex-type N-glycans over hybrid-types. Has lower affinities for donors or acceptors than MGAT4A, suggesting that, under physiological conditions, it is not the main contributor in N-glycan biosynthesis. {ECO:0000250 UniProtKB:Q9UQ53}.
Molecular Weight:	63.3 kDa

Target Details

UniProt: [Q812F8](#)

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