Datasheet for ABIN7564179

MGAT5B Protein (AA 1-792) (His tag)

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Overview

Quantity:	1 mg
Target:	MGAT5B
Protein Characteristics:	AA 1-792
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MGAT5B protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mgat5b Protein expressed in mammalian cells.
Sequence:	MITVNPDGKI MVRRCLVTLR PFRLFVLGIG FFTLCFLMTS LGGQFSARRL GDSPFTIRTE VPGSPESRGA LRKMSDLLEL MVKRMDMLAR LENSSELHRT ASVAHLAADR LTPGASLIER IQAIAQNVSD IAVKVDQILR HSLILHSKVS EGRRDQCEAP SDPKFPDCSG KVEWMRARWT SDPCYAFFGV DGTECSFLIY LSEVEWFCPP LPWRNQTAAR TAPKSLPRVQ AVFRSNLSHL LELMGSGKES LIFMKKRTRR FTAQWTKAAK YLAQKLGDIR RDQKQILVHI GFLTEESGDV FSPRVLKGGP LGEMVQWADI LAALYVLGHS LRITVSLKEL QSNLGVPPGR GNCPLTVPLP FDLIYTDYHG LQQMKQHMGL SFKKYRCRIR VIDTFGTEPA YNHEEYATLH GYRTNWGYWN LNPKQFMTMF PHTPDNSFMG FVSEELNETE KQLIKDGKAS NMAVVYGKEA SIWKLQGKEK FLAVLNKYME IHGTVYYESQ RPPEVPAFVK NHGLLPQPEF QQLLRKAKLF IGFGFPYEGP APLEAIANGC IFLQSRFSPP HSSLNHEFFR GKPTSREVFS QHPYAENFIG KPHVWTVDYN NSDEFETAIK AIMNTQVDPY LPYEYTCAGM LERINAYIQH QDFCVGPSPL PPGASTAQSP FVLAPNATHL EWAQNISSVP GAWPPTHSLR AWLAAPGRAC TDACLDHGLI CEPSFFPFLN

Product Details

	SQNSFLKLQV PCDSTEWEMH HLYPAFAQPG QECYLQKEPL LFSCAGASTK YQRLCPCRDF RKGQVALCQG CL **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 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:	MGAT5B
Alternative Name:	Mgat5b (MGAT5B Products)
Background:	Alpha-1,6-mannosylglycoprotein 6-beta-N-acetylglucosaminyltransferase B (EC 2.4.1.-) (EC 2.4.1.155) (Alpha-mannoside beta-1,6-N-acetylglucosaminyltransferase B) (GlcNAc-T Vb) (GNT-Vb) (Mannoside acetylglucosaminyltransferase 5B) (N-acetylglucosaminyl-transferase Vb) (N-acetylglucosaminyltransferase IX) (GNT-IX),FUNCTION: Glycosyltransferase that acts on alpha-linked mannose of N-glycans and O-mannosyl glycans. Catalyzes the transfer of N-acetylglucosamine (GlcNAc) to the beta 1-6 linkage of the mannose residue of GlcNAc-beta1,2-Man-alpha on both the alpha1,3- and alpha1,6-linked mannose arms in the core structure of N-

Target Details

	glycan (By similarity). Also acts on the GlcNAc-beta1,2-Man-alpha1-Ser/Thr moiety, forming a 2,6-branched structure in brain O-mannosyl glycan (PubMed:22715095). Plays an active role in modulating integrin and laminin-dependent adhesion and migration of neuronal cells via its activity in the O-mannosyl glycan pathway. {ECO:0000250|UniProtKB:Q3V5L5, ECO:0000269|PubMed:22715095}.
Molecular Weight:	89.5 kDa
UniProt:	Q765H6

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