

Recombinant Human MGAT4B Protein (AA 41-548), N-6×His/GFP tagged

Cat. No. MGAT4B-06H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MGAT4B Protein (AA 41-548) with N-6×His/GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 41-548
Description	This gene encodes a key glycosyltransferase that regulates the formation of tri- and multiantennary branching structures in the Golgi apparatus. The encoded protein, in addition to the related isoenzyme A, catalyzes the transfer of N-acetylglucosamine (GlcNAc) from UDP-GlcNAc in a beta-1,4 linkage to the Man-alpha-1,3-Man-beta-1,4-GlcNAc arm of R-Man-alpha-1,6(GlcNAc-beta-1,2-Man-alpha-1,3)Man-beta-1,4-GlcNAc-beta-1,4-GlcNAc-beta-1-Asn. The encoded protein may play a role in regulating the availability of serum glycoproteins, oncogenesis, and differentiation.
Molecular Mass	~90 kDa
AA Sequence	REFLALRDR LHAAEQESLKRSKELNLVLDEIKRAVSERQALRDGDGNRTWGRLTED PRLKPWNGSHRHVLHLPTVFHHLPHLLAKESSLQPAVRVGQGRTGVSVMGIPSVR REVHSYLTDTLHSLISELSPQEKEDSVIVVLIAETDSQYTSAVTENIKALFPTEIHSGLL EVISPSPHFYPDFSRLRESFGDPKERVVRWRTKQNLDYCFLMMYAQSKGIYYVQLED DIVAKPNYLSTMKNFALQQPSEDWMILEFSQLGFIGKMFKSLDLSLIVEFILMFYRDKP

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IDWLLDHILWVKVCNPEKDAKHCDRQKANLRIRFKPSLFQHVGTSSLAGKIQKLKD
KDFGKQALRKEHVNPPAEVSTSLKTYQHFTLEKAYLREDDFFWAFTPAAGDFIRFRFF
QPLRLERFFFRSGNIEHPEDKLFNTSVEVLPFDNPQSDKEALQEGRTATFRYPRSPD
GYLQIGSFYKGVAEGEVDPAFGPLEALRLSIQTDSPVWVILSEIFLKKAD

Purity

>95%, by SDS-PAGE under reducing conditions and visualized by Coomassie Blue stain.

Stability

6 months if stored at -80 centigrade. Avoid repeated freeze thaws.

Concentration

1 mg/mL

Storage Buffer

Supplied as a 0.2 µm filtered solution in 20mM HEPES pH 7.0 and 100mM NaCl buffer, with 10% Glycerol.

Preservative

0.05 % NaN₃

Shipping

This product is shipped as 0.2µm filtered product on dry ice.

GENE INFORMATION

Gene Name

MGAT4B mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme B [Homo sapiens (human)]

Official Symbol

MGAT4B

Synonyms

MGAT4B; mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme B; mannosyl (alpha 1,3) glycoprotein beta 1,4 N acetylglucosaminyltransferase, isoenzyme B; alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B; GnT Ivb; glcNAc-T IVb; aminyltransferase; N-acetylglucosaminyltransferase IVb; alpha-1,3-mannosyl-glycoprotein beta-1,4-N-

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acetylglucosaminyltransferase; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVb; mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme B; UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IV; UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IVb; GNT-IV; GNT-IVB;

Gene ID [11282](#)

mRNA Refseq [NM_014275](#)

Protein Refseq [NP_055090](#)

MIM [604561](#)

UniProt ID [Q9UQ53](#)

SDS-PAGE

