

Recombinant Human MGAT4B Protein, GST-tagged

Cat. No. MGAT4B-4365H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human MGAT4B full-length ORF (NP_463459.1, 1 a.a. - 563 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
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. [provided by RefSeq]
Molecular Mass	91.2 kDa
AA Sequence	MSRVAGTRTDVNELLQRWTPRCVRWHTGGARRVALDRPLVTACLPPAGDVVDVY QREFLALRDLHAAEQESLKRSKELNLVLDEIKRAVSERQALRDGDGNRTWGRLTE DPRLKPWNGSHRHVLHLPTVFHHLPHLLAKESSLQPAVRVGQGRGTGVSVMGIPSV RREVHSYLTDTLHSLISELSPQEKEDSVIVVLIAETDSQYTSAVTENIKALFPTEIHSG LLEVISPSPHFYPDFSRLRESFGDPKERVWRWTKQNLDYCFLLMMYAQSKGIYYVQLE DDIVAKPNYLSTMKNFALQQPSEDWMILEFSQLGFIGKMFKSLDLSLIVEFILMFYRD

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KPIDWLLDHILWVKVCNPEKDAKHCDRQKANLRIRFKPSLFQHVGTTHSSLAGKIQKL
KDKDFGKQALRKEHVNPPAEVSTSLKTYQHFTLEKAYLREDDFFWAFTPAAGDFIRFR
FFQPLRLERFFFRSGNIEHPEDKLFNTSVEVLFPDNPQSDKEALQEGRTATLRYPRS
PDGYLQIGSFYKGVAEGEVDPAFGPLEALRLSIQTDSPVWVILSEIFLKKAD

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes Best use within three months from the date of receipt of this protein.

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

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

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-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-

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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

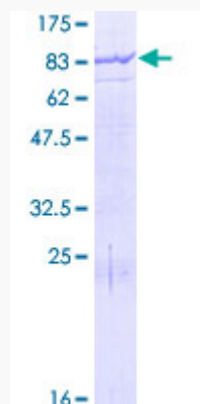
mRNA Refseq NM_014275

Protein Refseq NP_055090

MIM 604561

UniProt ID Q9UQ53

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue

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