

## Recombinant Human MGAT4A Protein (AA 33-535), N-6xHis/GFP tagged

Cat. No. MGAT4A-07H Lot. No. (See product label)

### SPECIFICATION

|                         |   |
|-------------------------|---|
| <b>Product Overview</b> | Recombinant Human MGAT4A Protein (AA 33-535) with N-6xHis/GFP tag was expressed in HEK293.  |
| <b>Species</b>          | Human   |
| <b>Source</b>           | HEK293  |
| <b>ProteinLength</b>    | AA 33-535   |
| <b>Description</b>      | 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 B, 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. |
| <b>Molecular Mass</b>   | ~89 kDa   |
| <b>AA Sequence</b>      | <p>           KLIAYQREFLALKERLRIA EHRISQR SSELNTIVQQFKRVGAETNGSKDALNKFS DNT<br/>           LKLLKELTSK KSLQVPSIYYHLP HLLKNEGSLQPAVQIGNGRTGVSIVMGIPTVKREVK<br/>           SYLIETLHSLIDNLYPEEK LDCVIVVFIGETDIDYVHG VVANLEKEFSKEISSGLVEVISP<br/>           PESYYPDLTNLKETFGDSKERVRWR TKQNLDYCFLMMYAQEKGIYYIQLEDDIIVKQ<br/>           NYFNTIKNFALQLSSEEWMI LEFSQLGFIGKMFQAPDLTLVIFIFMFYKEKPIDWLLD         </p>   |

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HILWVKVCNPEKDAKHCDRQKANLRIRFRPSLFQHVGLHSSLSGKIQKLTDKDYMKP  
 LLLKIHVNPPAEVSTSLKVYQGHTLEKTYMGEDFFWAITPIAGDYILFKFDKPVNVESY  
 LFHSGNQEHPGDILLNTTVEVLPFKSEGLEISKETKDKRLEDGYFRIGKFENGVAEG  
 MVDPSLNPISAFRLSVIQNSAVWAILNEIHIKKATN

**Purity** >85%, by SDS-PAGE as visualized by Coomassie Blue Staining

**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 % NaN<sub>3</sub>

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

## GENE INFORMATION

**Gene Name** [MGAT4A mannosyl \(alpha-1,3\)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A \[ Homo sapiens \(human\) \]](#)

**Official Symbol** [MGAT4A](#)

**Synonyms** MGAT4A; mannosyl (alpha-1,3)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A; mannosyl (alpha 1,3 ) glycoprotein beta 1,4 N acetylglucosaminyltransferase, isoenzyme A; alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A; GnT 4a; GnT Iva; glcNAc-T IVa; N-acetylglucosaminyltransferase IVa; UDP-GlcNAc:a-1,3-D-mannoside b-1,4-acetylglucosaminyltransferase IV; alpha-1,3-mannosyl-glycoprotein beta-1,4-N-

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acetylglucosaminyltransferase; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVa; UDP-N-acetylglucosamine:alpha1,3-d-mannoside beta1,4-N-acetylglucosaminyltransferase; mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A; UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IVa; GNT-IV; GnT-4a; GNT-IVA;

**Gene ID** 11320

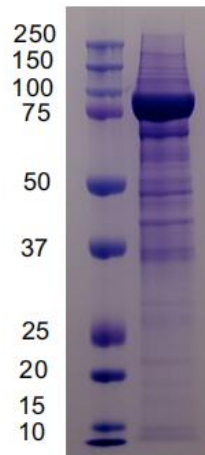
**mRNA Refseq** NM\_012214

**Protein Refseq** NP\_036346

**MIM** 604623

**UniProt ID** Q9UM21

**SDS-PAGE**



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