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

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

SPECIFICATION

Product Overview	Recombinant Human MGAT4A Protein (AA 33-535) with N-6×His/GFP tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	AA 33-535
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 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.
Molecular Mass	~89 kDa
AA Sequence	KLIAYQREFLALKERLRIAEHRISQRSSELNTIVQQFKRVGAETNGSKDALNKFSDNT LKLLKELTSKKSLQVPSIYYHLPHLLKNEGSLQPAVQIGNGRTGVSIVMGIPTVKREVK SYLIETLHSLIDNLYPEEKLDCVIVVFIGETDIDYVHGVVANLEKEFSKEISSGLVEVISP PESYYPDLTNLKETFGDSKERVRWRTKQNLDYCFLMMYAQEKGIYYIQLEDDIIVKQ NYFNTIKNFALQLSSEEWMILEFSQLGFIGKMFQAPDLTLIVEFIFMFYKEKPIDWLLD

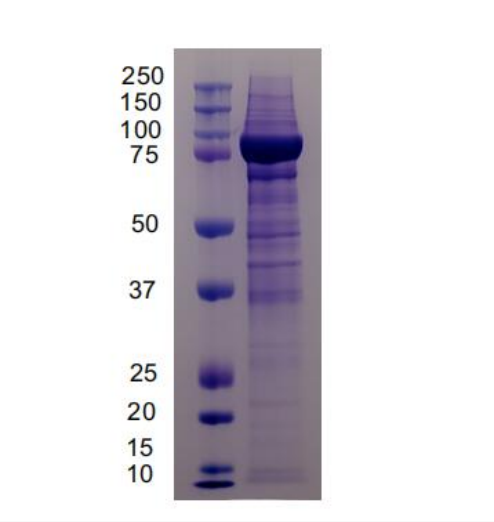
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	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 % NaN3
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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