

Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A (MGAT4A) Recombinant Protein | MGAT4A recombinant protein

Recombinant Human Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A (MGAT4A), partial

CATALOG #
AAA116585

HOST
E Coli or Yeast or Baculovirus or Mammalian Cell

PRODUCT SYNONYMS

Alpha-1; 3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A (MGAT4A); Recombinant Human Alpha-1; partial; MGAT4A recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	1-535
Sequence	MRLRNGTVAT ALAFITSFLT LSWYTTWQNG KEKLIAYQRE FLALKERLRI AEHRISQRSS ELNTIVQQFK RVGAETNGSK DALNKFSDNT LKLLKELTSK KSLQVPSIYY HLPHLLKNEG SLQPAVQIGN GRTGVSIVMG IPTVKREVKS YLIETLHSLI DNLYPEEKLD CVIVVFIGET DIDYVHGVVA NLEKEFSKEI SSGLVEVISP PESYYPDLTN LKETFGDSKE RVRWRTKQNL DYCFLMMYAQ EKGIIYIQLE DDIIVKQNYF NTIKNFALQL SSEEWILEF SQLGFIGKMF QAPDLTLIVE FIFMFYKEKP IDWLLDHILW VKVCNPEKDA KHCDRQKANL RIRFRPSLFQ HVGLHSSLG KIQKLTDKDY MKPLLLKIHV NPPAEVSTSL KYYQGHTLEK TYMGEDFFWA ITPIAGDYIL KFKDKPVNVE SYLFHSGNQE HPGDILLNTT VEVLPFKSEG LEISKETKDK RLEDGYFRIG KFENGVAEGM VDPSLNPISA FRLSVIQNSA VWAILNEIHI KKATN
Sequence Length	535
Species	Human
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for MGAT4A recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	237512959
NCBI GeneID	11320
NCBI Accession #	NP_001153626.1
NCBI GenBank Nucleotide #	NM_001160154.1
UniProt Accession #	Q9UM21; Q53S97; Q86Z15; B4E2R6; D3DVH6; E9PEN2

Molecular Weight	48,946 Da
NCBI Official Full Name	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A isoform 2
NCBI Official Synonym Full Names	mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A
NCBI Official Symbol	MGAT4A
NCBI Official Synonym Symbols	GNT-IV; GnT-4a; GNT-IVA
NCBI Protein Information	alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A
UniProt Protein Name	Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A
UniProt Gene Name	MGAT4A
UniProt Synonym Gene Names	GlcNAc-T IVa; GnT-IVa; N-acetylglucosaminyltransferase IVa

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/mgat4a-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116585>