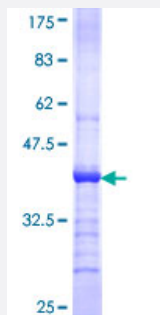


MGAT4A (Human) Recombinant Protein (Q01)

Catalog # H00011320-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human MGAT4A partial ORF (NP_036346, 436 a.a. - 535 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PVNVESYLFHSGNQEHDPGILLNTTVEVLDPFKSEGLEISKETKDKRLEDGYFRIGKFENGVAEGMV DPSLNPISAFRLSVIQNSAVWAILNEIHIKKATN
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (93); Rat (94)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — MGAT4A

Entrez GeneID [11320](#)

GeneBank Accession# [NM_012214](#)

Protein Accession# [NP_036346](#)

Gene Name MGAT4A

Gene Alias GNT-IV, GNT-IVA

Gene Description mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A

Omim ID [604623](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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 isozyme 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. [provided by RefSeq]

Other Designations N-acetylglucosaminyltransferase IVa|OTTHUMP00000161122|UDP-GlcNAc:a-1,3-D-mannoside b-1,4-acetylglucosaminyltransferase IV|UDP-N-acetylglucosamine:alpha1,3-d-mannoside beta1,4-N-acetylglucosaminyltransferase|alpha-1,3-mannosyl-glycoprotein beta-1,4-N-acet

Pathway

- [Metabolic pathways](#)

- [N-Glycan biosynthesis](#)