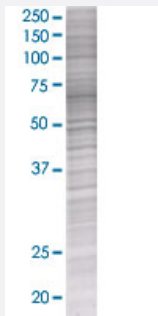


MGAT4B 293T Cell Transient Overexpression Lysate(Denatured)

Catalog # H00011282-T01

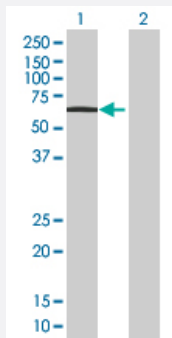
Size 100 uL

Applications



SDS-PAGE Gel

MGAT4B transfected lysate.



Western Blot

Lane 1: MGAT4B transfected lysate (62.04 KDa)

Lane 2: Non-transfected lysate.

Specification

Transfected Cell Line	293T
Plasmid	pCMV-MGAT4B full-length
Host	Human
Theoretical MW (kDa)	62.04
Interspecies Antigen Sequence	Mouse (98); Rat (98)

Quality Control Testing

Transient overexpression cell lysate was tested with Anti-MGAT4B antibody ([H00011282-B01](#)) by Western Blots.
 SDS-PAGE Gel
 MGAT4B transfected lysate.
 Western Blot
 Lane 1: MGAT4B transfected lysate (62.04 KDa)
 Lane 2: Non-transfected lysate.

Storage Buffer

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot

Gene Info — MGAT4B

Entrez GeneID

[11282](#)

GeneBank Accession#

[NM_054013](#)

Protein Accession#

[NP_463459](#)

Gene Name

MGAT4B

Gene Alias

GNT-IV, GNT-IVB

Gene Description

mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme B

Omim ID

[604561](#)

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 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]

Other Designations

UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IV|alpha-1,3-mannosyl-glycoprotein beta-1,4-N-acetylglucosaminyltransferase|aminyltransferase|mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase

Pathway

- [Metabolic pathways](#)
- [N-Glycan biosynthesis](#)

Disease

- [Cardiovascular Diseases](#)
- [Diabetes Mellitus](#)
- [Edema](#)