

Product Information

MemDX™ Membrane Protein Human MGAT4B (Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B) Full Length

Cat. No.: **MPC3460K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human MGAT4B membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

MGAT4B

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MRLRNGTFLTLFLCLCAFLSLSWYAALSGQKGDVVDVYQREFLALRDRL
HAAEQESLKRSEKLNVLDEIKRAVSEKQALRDGDGNRTWGRLEDPRLK
PWNGSHRHVLHLPVTFHHLPHLLAKESSLQPAVRVGQGRGTGVSVVMGIPS
VRREVHSLYLTDTLHSLISELSPQEKEDSVIVVLIETDSQYTSAVTENIK
ALFPTIEHSGLLLEVISPSPHFYPDFSRRLRESFGDPKERVVRWRTKQNLDYC
FLMYYAQSKGIYYVQLEDDIVAKPNYLSTMKNFALQQPSEDWMILEFSQL
GFIGKMFKSLDLSLIVEFILMFYRDKPIDWLLDHILWVKVCNPEKDAKHC
DRQKANLRIRFKPSLFQHVGTTHSSLAGKIQKLKDKDFGKQALRKEHVNPP
AEVSTSLKTYQHFTLEKAYLREDDFFWAFTPAAGDFIRFRFFQPLRLERFF
FRSGNIEHPEDKLFNTSVEVLPFDNPQSDKEALQEGRTATLRYPRSPDGY
LQIGSFYKGVAEGEVDPAFGPLEALRLSIQTDSPPVWVILSEIFLKKAD

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

Form

Liquid

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

Target**Target Protein**

MGAT4B

Full Name

Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B

Introduction

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 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.

Alternative Names

MGAT4B; GNT-IV; GNT-IVB; N-acetylglucosaminyltransferase IVb; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVb; UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IV; UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IVb; alpha-1,3-mannosyl-glycoprotein beta-1,4-N-acetylglucosaminyltransferase; aminyltransferase; glcNAc-T IVb; mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme B; mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme B; Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase B

Gene ID

[11282](#)

UniProt ID

[Q9UQ53](#)