

Product Information

MemDX™ Membrane Protein Human MGAT4A (Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A) Full Length

Cat. No.: **MPC3563K**

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

This product is a made-to-order Human MGAT4A 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

MGAT4A

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MRLRNGTVATALAFITSFLTLSWYTTWQNGKEKLIAYQREFLALKERLRI
AEHRISQRSSSELNTIVQQFKRVGAETNGSKDALNKFSDNTLKLLKELTSK
KSLQVPSIYYHLPHLLKNEGSLQPAVQIGNGRTGVSIVMGIPTVKREVKS
YLIETLHSLIDNLYPEEKLD CVIVVFIGETDIDYVHG VVANLEKEFSKEI
SSGLVEVISPPESYYPDLTNLKETF GDSKERVWRWTKQNLDYCFLM MYAQ
EKGIYYIQLEDDIIVKQNYFNTIKNFALQLSSEWMILEFSQLGFIGKMF
QAPDLTLIVEFIFMFYKEKPIDWLLDHILWVKVCNPEKDAKHCDRQKANL
RIRFRPSLFQHVGLHSSLGKIQLTDKDYMKPLLLKIHVNPPAEVSTSL
KVYQGHTLEKTYMGEDFFWAITPIAGDYILFKFDKPVNVESYLFHSGNQE
HPGDILLNTTVEVLPFKSEGLEISKETKDKRLEDGYFRIGKFENGVAEGM
VDPSLNPISAFRLSVIQNSAVWAILNEIHIKKATN

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**

MGAT4A

Full Name

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

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 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-1,4-GlcNAc-beta-1-Asn. The encoded protein may play a role in regulating the availability of serum glycoproteins, oncogenesis, and differentiation.

Alternative Names

MGAT4A; GNT-IV; GnT-4a; GNT-IVA; N-acetylglucosaminyltransferase IVa; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase IVa; UDP-GlcNAc:alpha-1,3-D-mannoside beta-1,4-acetylglucosaminyltransferase IV; UDP-N-acetylglucosamine: alpha-1,3-D-mannoside beta-1,4-N-acetylglucosaminyltransferase IVa; UDP-N-acetylglucosamine:alpha1,3-d-mannoside beta1,4-N-acetylglucosaminyltransferase; alpha-1,3-mannosyl-glycoprotein beta-1,4-N-acetylglucosaminyltransferase; glcNAc-T IVa; mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isoenzyme A; mannosyl (alpha-1,3-)-glycoprotein beta-1,4-N-acetylglucosaminyltransferase, isozyme A; Alpha-1,3-mannosyl-glycoprotein 4-beta-N-acetylglucosaminyltransferase A

Gene ID

[11320](#)

UniProt ID

[Q9UM21](#)