SUITE 203, 17 Ramsey Road, Shirley, NY 11967, USA
Tel: 1-631-416-1478 Fax: 1-631-207-8356
Email: info@creative-biolabs.com
www.creative-biolabs.com

Product Information

MemDX™ Membrane Protein Human MGAT1 (Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase) Full Length

Cat. No.: **MPC2438K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human MGAT1 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
MGAT1

Protein Length
Full length

Protein Class
Transferase

TMD
1

Sequence
MLKKQSAGLVLWGAILFVAWNALLLLFFWTRPAPGRPPSVSALDGDPASL
TREVIRLAQDAEVELERQRGLLQQIGDALSSQRGRVPTAAPPAQPRVPVT
PAPAVIPILVIACDRSTVRRCLDKLLHYRPSAELFPIIVSQDCGHEETAQ
AIASYGSAVTHIRQPDLSSIAVPPDHRKFQGYYKIARHYRWALGQVFRQF
RFPAAVVVEDDLEVAPDFFEYFRATYPLLKADPSLWCVSAWNDNGKEQMV
DASRPELLYRTDFFPGLGWLLLAELWAELEPKWPKAFWDDWMRRPEQRQG
RACIRPEISRTMTFGRKGVSHGQFFDQHLKFIKLNQQFVHFTQLDLSYLQ
REAYDRDFLARVYGAPQLQVEKVRTNDRKELGEVRVQYTGRDSFKAFAKA
LGVMDDLKSGVPRAGYRGIVTFQFRGRRVHLAPPLTWEGYDPSWN

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

MGAT1

Full Name

Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase

Introduction

There are believed to be over 100 different glycosyltransferases involved in the synthesis of protein-bound and lipid-bound oligosaccharides. UDP-N-acetylglucosamine:alpha-3-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I is a medial-Golgi enzyme essential for the synthesis of hybrid and complex N-glycans. The protein, encoded by a single exon, shows typical features of a type II transmembrane protein. The protein is believed to be essential for normal embryogenesis. Several variants encoding the same protein have been found for this gene.

Alternative Names

MGAT1; GnTI; MGAT; GLCT1; GLYT1; GNT-1; GNT-I; GLCNAC-TI; N-glycosyl-oligosaccharide-glycoprotein N-acetylglucosaminyltransferase I; glcNAc-T I; mannosyl (alpha-1,3-)-glycoprotein beta-1,2-N-acetylglucosaminyltransferase; Alpha-1,3-mannosyl-glycoprotein 2-beta-N-acetylglucosaminyltransferase

Gene ID

4245

UniProt ID

P26572