

Product Information

MemDX™ Membrane Protein Human B3GNT3 (UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3) Full Length

Cat. No.: **MPC2285K**

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

This product is a 42.5 kDa Human B3GNT3 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

B3GNT3

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

42.5 kDa

TMD

1

Sequence

MKYLRRHRPNATLILAIGAFTLLLFSLVSPPTCKVQEQPPAIPALAWP
TPPTRPAPAPCHANTSMVTHPDFATQPQHVNFLLYRHCRHFLLQDVPP
SKCAQPVFLLLVKSSPSNYVRRELLRRTWGRERKVRGLQLRLLFLVGTA
SNPHEARKVNRLLLEAQTGHDILQWDFHDSFFNLTKQVLFLQWQETRC
ANASFVLNGDDVFAHTDNMVFYLDHDPGRHLFVGQLIQNVGPIRAFW
KYYVPEVVTQNERYPYCGGGGFLSRFTAAALRRAHVLDIFPIDDVFL
GMCLELEGLKPASHGIRTSQVRAPSQRLSSFDPCFYRDLVVHRFLPYE
MLLMWDALNQPNLTGQNTQIY

Product Description

Expression Systems

HEK293

Tag

Based on specific requirements

Protein Format

Detergent or based on specific requirements

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

B3GNT3

Full Name

UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3

Introduction

This gene encodes a member of the beta-1,3-N-acetylglucosaminyltransferase family. This enzyme is a type II transmembrane protein and contains a signal anchor that is not cleaved. It prefers the substrates of lacto-N-tetraose and lacto-N-neotetraose, and is involved in the biosynthesis of poly-N-acetylglucosamine chains and the biosynthesis of the backbone structure of dimeric sialyl Lewis x. It plays dominant roles in L-selectin ligand biosynthesis, lymphocyte homing and lymphocyte trafficking.

Alternative Names

B3GNT3; TMEM3; B3GN-T3; B3GNT-3; HP10328; B3GAL-T8; beta3Gn-T3; N-acetylglucosaminide beta-1,3-N-acetylglucosaminyltransferase 3; UDP-Gal:beta-GlcNAc beta-1,3-galactosyltransferase 8; UDP-galactose:beta-N-acetylglucosamine beta-1,3-galactosyltransferase 8; beta-1,3-GalTase 8; beta-1,3-Gn-T3; beta-1,3-N-acetylglucosaminyltransferase bGnT-3; beta-1,3-galactosyl-O-glycosyl-glycoprotein beta-1,3-N-acetylglucosaminyltransferase; beta-3-Gx-T8; beta3GalT8; core 1 extending beta-1,3-N-acetylglucosaminyltransferase; core1-beta3GlcNAcT; putative type II membrane protein; transmembrane protein 3; UDP-GlcNAc:betaGal beta-1,3-N-acetylglucosaminyltransferase 3

Gene ID

[10331](#)

UniProt ID

[Q9Y2A9](#)