

Product Information

MemDX™ Membrane Protein Human POMGNT1 (Protein O-linked mannose N-acetylglucosaminyltransferase 1 (beta 1,2-)) Full Length

Cat. No.: **MPC1748K**

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

This product is a 75.2 kDa Human POMGNT1 membrane protein expressed in Baculovirus/Insect expression system. 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

POMGNT1

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

75.2 kDa

TMD

1

Sequence

MDDWKPSPLIKPFGARKKRSWYLTWKYKLTNQRALRRFCQTGAVLFLLVT
VIVNIKLILDTRRAISEANEDPEPEQDYDEALGRLEPPRRRGSGPRRVLD
VEVYSSRSKVYVAVDGTTVLEDEAREQGRGIHVIVLNQATGHVMAKRVD
TYSPEDEAMVFLNMVAPGRVLICTVKDEGSFHLKDTAKALLRSLGSQA
GPALGWRDTHAFVGRKGGPVFGEKHSKSPALSSWGDPVLLKTDVPLSSAE
EAECHWADTELNRRRRRFCCKVEGYGSVCCKDPTPIEFSPDPLPDNKVL
NVPVAVIAGNRPNYLYRMLRSLLSAQGVSPQMITVFIDGYEPMVVAL
FGLRGIQHTPISIKNARVSQHYKASLTATFNLFPFAKFAVVLEEDLDIAV
DFFSFLSQSIHLLEEDDSLYCISAWNDQGYEHTAEDPALLYRVETMPGLG
WVLRRLSYKEELEPKWPTPEKLWDWDMWMRMPEQRRGRECIIPDVRSYH
FGIVGLNMNGYFHEAYFKKKHFNTVPGVQLRNVDLSLKKEAYEVEVHRLS
EAEVLDHSHKNPCEDSFLPDTEGHTYVAFIRMEKDDDDFTTWTQLAKCLHIW
DLDVRGNHRGLWRLFRKKNHFLMVGVPASPYSVKKPPSVTPIFLEPPPKE
EGAPGAPEQT

Product Description

Expression Systems

Baculovirus/Insect expression system

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

POMGNT1

Full Name

Protein O-linked mannose N-acetylglucosaminyltransferase 1 (beta 1,2-)

Introduction

This gene encodes a type II transmembrane protein that resides in the Golgi apparatus. It participates in O-mannosyl glycosylation and is specific for alpha linked terminal mannose. Mutations in this gene may be associated with muscle-eye-brain disease and several congenital muscular dystrophies. Alternatively spliced transcript variants that encode different protein isoforms have been described.

Alternative Names

POMGNT1; MEB; RP76; GNTI.2; LGMD2O; GnT I.2; LGMDR15; MGAT1.2; gnT-I.2; protein O-linked-mannose beta-1,2-N-acetylglucosaminyltransferase 1; UDP-GlcNAc:alpha-D-mannoside beta-1,2-N-acetylglucosaminyltransferase I.2; Protein O-linked mannose N-acetylglucosaminyltransferase 1 (beta 1,2-)

Gene ID

[55624](#)

UniProt ID

[Q8WZA1](#)