

Product Information

MemDX™ Membrane Protein Human LARGE1 (LARGE xylosyl- and glucuronyltransferase 1)

Full Length

Cat. No.: **MPC2289K**

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

This product is a 88 kDa Human LARGE1 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

LARGE1

Protein Length

Full length

Protein Class

Transferase

Molecular Weight

88 kDa

TMD

1

Sequence

MLGICRGRRKFLAASLSLLCIPAITWIYLFSGSFEDGKPVSLSPLESQAH
SPRYTASSQRERESLEVRMREVEEENRALRRQLSLAQGRAPSHRRGNHSK
TYSMEEGTGDSENLRAGIVAGNSSECGQQPVVEKCETIHVAIVCAGYNAS
RDVVTLVKSVLFHRRNPLHFHFIADSI AEQILATLFQTMVPAVRVDFYN
ADELKSEVSWIPNKHYSIGIYGLMKLVLTKTLPANLERVIVLDTDITFATD
IAELWAVFHKFKGQQVLGLVENQSDWYLGNLWKNHRPWPALGRGYNTGVI
LLLLDKLRKMKEQMWRLTAERELMGMLSTSLADQDIFNAVIKQNPFLVY
QLPCFWNVQLSDHTRSEQCYRDVSDLKVIHWNSPKKLRVKNKHVEFFRNL
YLTFFLEYDGNLLRRELFGCPSEADVNSENLQKQLSELDEDDLCYEFRRER
FTVHRTHLYFLHYEYEPAADSTDVTLVAQLSMDRLQMLEAICKHWEGPIS
LALYLSDAEAQQFLRYAQGSEVLMSRHNVG YHIVYKEGQFYVPVNL LRNVA
MKHISTPYMFLSDIDFLPMYGLYEYLRKSVIQLDLANTKKAMIVPAFETL
RYRLSFPKSKAELLSMLDMGTLFTFRYHVWTKGHAPT NF AKWRTATTPYR
VEWEADFEPPYVVVRRDCPEYDRRFVGF GWNKVAHIMELDVQEYEFIVLPN
AYMIHMPHAPSFDITKFRSNKQYRICLKT LKEEFQQDMSRRYGFAALKYL
TAENNS

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

LARGE1

Full Name

LARGE xylosyl- and glucuronyltransferase 1

Introduction

This gene encodes a member of the N-acetylglucosaminyltransferase gene family. It encodes a glycosyltransferase which participates in glycosylation of alpha-dystroglycan, and may carry out the synthesis of glycoprotein and glycosphingolipid sugar chains. It may also be involved in the addition of a repeated disaccharide unit. The protein encoded by this gene is the glycotransferase that adds the final xylose and glucuronic acid to alpha-dystroglycan and thereby allows alpha-dystroglycan to bind ligands including laminin 211 and neurexin. Mutations in this gene cause several forms of congenital muscular dystrophy characterized by cognitive disability and abnormal glycosylation of alpha-dystroglycan. Alternative splicing of this gene results in multiple transcript variants that encode the same protein.

Alternative Names

LARGE1; LARGE; MDC1D; MDDGA6; MDDGB6; acetylglucosaminyltransferase-like 1A; acetylglucosaminyltransferase-like protein; glycosyltransferase-like protein LARGE1; LARGE xylosyl- and glucuronyltransferase 1

Gene ID

[9215](#)

UniProt ID

[O95461](#)