

Product Information

MemDX™ Membrane Protein Human B3GLCT (Beta 3-glucosyltransferase) Full Length

Cat. No.: **MPC3770K**

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

This product is a made-to-order Human B3GLCT 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

B3GLCT

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MRPPACWWLLAPPALLALLTCSLAFGLASEDTKKEVKQSQDLEKSGISRK
NDIDLKGIVFVIQSQNSFHAKEQLKKSILKQAADLTQELPSVLLHQ
LAKQEGAWTILPLPHFSVTYSRNSSWIFFCEEETRIQIPKLETLRRYD
PSKEWFLGKALHDEEATIIHHYAFSENPTVFKYPDFAAGWALSIPLVNKL
TKRLKSESLKSDFTIDLKHEIALYIWDKGGGPPLTPVPEFCTNDVDFYCA
TTFHSFLPLCRKPVKKKDIFVAVKTCKKFHGDRIPIVKQTWESQASLIEY
YSDYTENSIPTVDLGIPNTDRGHCGKTFAILERFLNRSQDKTAWLVIVDD
DTLISISRLQHLLSCYDSGEPVFLGERYGYGLGTGGYSYITGGGGMVFSR
EAVRRLASKCRCYSNDAPDDMVLGMCFSGLGIPVTHSPLFHQARPVDYP
KDYLSHQVPISFHKHWNIDPVKVYFTWLAPSDDEKARQETQKGFREEL

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**

B3GLCT

Full Name

Beta 3-glucosyltransferase

Introduction

The protein encoded by this gene is a beta-1,3-glucosyltransferase that transfers glucose to O-linked fucosylglycans on thrombospondin type-1 repeats (TSRs) of several proteins. The encoded protein is a type II membrane protein. Defects in this gene are a cause of Peters-plus syndrome (PPS).

Alternative Names

B3GLCT; B3GTL; Gal-T; B3GALTL; B3Glc-T; beta3Glc-T; beta-1,3-glucosyltransferase; UDP-GAL:beta-GlcNAc beta-1,3-galactosyltransferase-like; beta 1,3-galactosyltransferase-like; beta 3-glycosyltransferase-like; Beta 3-glucosyltransferase

Gene ID

[145173](#)

UniProt ID

[Q6Y288](#)