

Product Information

MemDX™ Membrane Protein Human B3GAT1 (Beta-1,3-glucuronyltransferase 1) Full Length

Cat. No.: **MPC3555K**

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

This product is a made-to-order Human B3GAT1 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

B3GAT1

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MPKRRDILAIVLIVLPWTLLITVWHQSTLAPLLAVHKDEGSDPRRETPPG
ADPREYCTSQRDIVEVVRTEYVYTRPPPWSDTLPTIHVVTPYSRPVQKA
ELTRMANLHHVNPNLHWLVVEDAPRRTPLTARLLRDTGLNYTHLHVETPR
NYKLRGDARDPRIPRGTMQRNLALRWLRETFFPRNSSQPGVVFADDNTY
SLELFEEMRSTRRVSVWPVAFVGLRYEAPRVNGAGKVVGVKTVFDPHRP
FAIDMAGFAVNRLILQRSQAYFKLRGVKGGYQESSLLRELVTLNDLEPK
AANCTKILVWHTRTEKPVLVNEGKKGFTDPSVEI

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

B3GAT1

Full Name

Beta-1,3-glucuronyltransferase 1

Introduction

The protein encoded by this gene is a member of the glucuronyltransferase gene family. These enzymes exhibit strict acceptor specificity, recognizing nonreducing terminal sugars and their anomeric linkages. This gene product functions as the key enzyme in a glucuronyl transfer reaction during the biosynthesis of the carbohydrate epitope HNK-1 (human natural killer-1, also known as CD57 and LEU7). Alternate transcriptional splice variants have been characterized.

Alternative Names

B3GAT1; NK1; CD57; HNK1; LEU7; NK-1; GLCATP; GLCUATP; galactosylgalactosylxylosylprotein 3-beta-glucuronosyltransferase 1; LEU7 antigen; UDP-GlcUA:glycoprotein beta-1,3-glucuronyltransferase; glucuronosyltransferase P; Beta-1,3-glucuronyltransferase 1

Gene ID

[27087](#)

UniProt ID

[Q9P2W7](#)