

# 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

MPKRRDILAIVLIVLPWTLLITVWHQSTLAPLLAVHKDEGSDDRRETPPG  
ADPREYCTSDRDIVEVVRTEYVYTRPPPWSDTLPTIHVVTPYSRPVQKA  
ELTRMANTLLHVPNLHWLVVEDAPRRTPLTARLLRDTGLNYTHLHVETPR  
NYKLRGDARDPRIPRGTMQRNALRLWLRETFPRNSSQPGVVYFADDDNTY  
SLELFEEMRSTRVSVWPVAFVGGRLRYEAPRVNGAGKVVGWKTVDPHRP  
FAIDMAGFAVNLRLILQRSQAYFKLRGVKGGYQESSLLRELVTLNDLEPK  
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](#)