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Product Information

MemDX™ Membrane Protein Human GBGT1 (Globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (FORS blood group)) Full Length

Cat. No.: **MPC3874K**
This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human GBGT1 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
GBGT1

Protein Length
Full length

Protein Class
Transferase

TMD
1

Sequence
MHRRRLALGLGFCLLAGTSLSVLWVYLENWLPVSYVPYYLPCPEIFNMKL
HYKREKPLQPVVWSQYPQPKLLEHRPTQLLTLTPWLAPIVSEGTFNPELL
QHIYQPLNLTIGVTVFAVGKYTHFIQSFLESAEEFFMRGYRVHYYIFTDN
PAAVPGVPLGPHRLLSSIPIQGHSHWEETSMRRMETISQHIAKRAHREVD
YLFCLDVDMVFRNPWGPETLGDLVAAIHPSYYAVPRQQFPYERRRVSTAF
VADSEGDFYYGGAVFGGQVARVYEFTRGCHMAILADKANGIMAAWREESH
LNRHFISNKPSKVLSPEYLWDDRKPQPPSLKLIRFSTLDKDISCLRS

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

GBGT1

Full Name

Globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (FORS blood group)

Introduction

This gene encodes a glycosyltransferase that plays a role in the synthesis of Forssman glycolipid (FG), a member of the globoseries glycolipid family. Glycolipids such as FG form attachment sites for the binding of pathogens to cells; expression of this protein may determine host tropism to microorganisms. Alternative splicing results in multiple transcript variants.

Alternative Names

GBGT1; FS; A3GALNT; UNQ2513; Forssman blood group; Forssman glycolipid synthetase (FS); forssman glycolipid synthase-like protein; Globoside alpha-1,3-N-acetylgalactosaminyltransferase 1 (FORS blood group)

Gene ID

26301

UniProt ID

Q8N5D6

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