

Product Information

MemDX™ Membrane Protein Human C1GALT1 (Core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1) Full Length

Cat. No.: **MPC4281K**

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

This product is a made-to-order Human C1GALT1 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

C1GALT1

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MASKSWLNFLTFLCGSAIGFLLCSQLFSILLGEKVDTQPNVLHNDPHARH
SDDNGQNHLEGQMNFNADSSQHKDENTDIAENLYQKVRILCWVMTGPQNL
EKKAKHV KATWAQRCNKVLFMSSEENKDFPAVGLKTKEGRDQLYWKTIKA
FQYVHEHYLEDADWFLKADDDTYVILDNLRWLLSKYDPEEPIYFGRRFKP
YVKQGYMSGGAGYVLSKEALKRFVDAFKTDKCTHSSIEDLALGRCMEIM
NVEAGDSRDTIGKETFHFPVPEHHLIKGYLPRTFWYWNYYPPVEGPGC
CSDLAVSFHYVDSTTMYELEYLVYHLRPYGYLYRYQPTLPERILKEISQA
NKNEDTKVKLGNP

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**

C1GALT1

Full Name

Core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1

Introduction

The protein encoded by this gene generates the common core 1 O-glycan structure, Gal-beta-1-3GalNAc-R, by the transfer of Gal from UDP-Gal to GalNAc-alpha-1-R. Core 1 is a precursor for many extended mucin-type O-glycans on cell surface and secreted glycoproteins. Studies in mice suggest that this gene plays a key role in thrombopoiesis and kidney homeostasis.

Alternative Names

C1GALT1; C1GALT; T-synthase; glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1; B3Gal-T8; core 1 O-glycan T-synthase; core 1 UDP-galactose:N-acetylgalactosamine-alpha-R beta 1,3-galactosyltransferase 1; core 1 beta3-Gal-T1; epididymis secretory sperm binding protein; Core 1 synthase, glycoprotein-N-acetylgalactosamine 3-beta-galactosyltransferase 1

Gene ID

[56913](#)

UniProt ID

[Q9NS00](#)