

# Product Information

## MemDX™ Membrane Protein Human C1GALT1C1 (C1GALT1 specific chaperone 1) for Antibody Discovery

Cat. No.: **MP0136X**

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

This product is a 60.70 kDa Human C1GALT1C1 membrane protein expressed in *in vitro* wheat germ expression system. 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

C1GALT1C1

#### Protein Length

Full-length

#### Molecular Weight

60.70 kDa

#### TMD

1

#### Sequence

MLSESSSFLKGVMLGSIFCALITMLGHIRIGHGNRMHHHEHHHLQAPNKEDILKISEDERMELSKSFRVYCIILVKPKDVSLWAAVKET

### Product Description

#### Application

Enzyme-linked Immunoabsorbent Assay, Western Blot (Recombinant protein), Antibody Production, Protein Array

#### Expression Systems

*in vitro* wheat germ expression system

#### Tag

GST-tag at N-terminal

#### Form

Liquid

#### Purification

Glutathione Sepharose 4 Fast Flow

**Buffer**

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer

**Storage**

Store at +4°C for up to one week or several months at -80°C

**Target****Target Protein**

C1GALT1C1

**Full Name**

C1GALT1 specific chaperone 1

**Introduction**

This gene encodes a type II transmembrane protein that is similar to the core 1 beta1,3-galactosyltransferase 1, which catalyzes the synthesis of the core-1 structure, also known as Thomsen-Friedenreich antigen, on O-linked glycans. This gene product lacks the galactosyltransferase activity itself, but instead acts as a molecular chaperone required for the folding, stability and full activity of the core 1 beta1,3-galactosyltransferase 1. Mutations in this gene have been associated with Tn syndrome. Alternatively spliced transcript variants encoding the same protein have been identified

**Alternative Names**

C1GALT2; C1Gal-T2; COSMC; HSPC067; MGC19947; c38h2-l1; OTTHUMP00000023952; OTTHUMP00000023953; core 1 UDP-galactose:N-acetylgalactosamine-alpha-R beta 1,3-galactosyltransferase 2; core 1 beta3-galactosyltransferase-specific molecular chaperone

**Gene ID**

[29071](#)

**UniProt ID**

[Q96EU7](#)