

# Product Information

## MemDX™ Membrane Protein Human GAL3ST2 (Galactose-3-O-sulfotransferase 2) Full

### Length

Cat. No.: **MPC4236K**

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

This product is a made-to-order Human GAL3ST2 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

GAL3ST2

#### Protein Length

Full length

#### Protein Class

Transferase

#### TMD

1

#### Sequence

MMSMLGGLQRYFRVILLLLALTLALLAGFLHSDLELDTPLFGGQAEQPP  
VTNIMFLKTHKTASSTVLNILYRFAETHNLSVALPAGSRVHLGYPWLFLA  
RYVEGVGSQQRFNIMCNHLRFNLPQVQKVMNDTFYFSILRNPVFQLESS  
FIYYKTYAPAFRGAPSLDAFLASPRTFYNDSRHLRNVYAKNNMWDFGFD  
PNAQCEEYVRARIAEVERRFRVLVIAEHLDESLVLLRRRLRWALDDVVA  
FRLNSRSARSVARLSPETRERARSWCALDWRLYEHNRTLWAQLRAELGP  
RRLRGEVERLRARRRELASLCLQDGGALKNHTQIRDPRLRPYQSGKADIL  
GYNLRPGLDNQTLGVCQRLVMPELQYMARLYALQFPEKPLKNIPFLGA

### 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**

GAL3ST2

**Full Name**

Galactose-3-O-sulfotransferase 2

**Introduction**

This gene encodes a member of the galactose-3-O-sulfotransferase protein family. The product of this gene catalyzes sulfonation by transferring a sulfate group to the hydroxyl at C-3 of nonreducing beta-galactosyl residues, and it can act on both type 1 and type 2 (Galbeta 1-3/1-4GlcNAc-R) oligosaccharides with similar efficiencies, and on core 1 glycans. This enzyme has been implicated in tumor metastasis processes. This gene is different from the GAL3ST3 gene located on chromosome 11, which has also been referred to as GAL3ST2 and encodes a related enzyme with distinct tissue distribution and substrate specificities, compared to galactose-3-O-sulfotransferase 2.

**Alternative Names**

GAL3ST2; GP3ST; GAL3ST-2; beta-galactose-3-O-sulfotransferase 2; gal 3-O-sulphotransferase; gal-beta-1, 3-GalNAc 3'-sulfotransferase 2; galbeta1-3GalNAc 3'-sulfotransferase 2; glycoprotein beta-Gal 3'-sulfotransferase 2; Galactose-3-O-sulfotransferase 2

**Gene ID**

[64090](#)

**UniProt ID**

[Q9H3Q3](#)