

Product Information

MemDX™ Membrane Protein Human CHST5 (Carbohydrate sulfotransferase 5) Full Length

Cat. No.: **MPC3735K**

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

This product is a made-to-order Human CHST5 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

CHST5

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MGMRARVPKVAHSTRPPAARMWLPWFSSKTVTVLLAQTTCLLFIISR
PGPSSPAGGEDRVHVLVLSSWRSGSSFLGQLFSQHPDVFYLMPEAWHVWT
TLSQGSAAATLHMAVRDLMRSIFLCDMDVFDAYMPQSRNLSAFFNWATSRA
LCSPACSAFPRGTISKQDVCKTLCTRQPFSLAREACRSYSHVVLKEVRF
FNLQVLYPLLSDPALNLRIVHLVRDPRAVLR SREAAGPILARDNGIVLGT
NGKWVEADPHRLRLIREVCRSHVRIEAATLKPPPFLRGYRLVRFEDLAR
EPLAEIRALYAFTGLTLPQLEAWIHNITHGSGIGKPIEAFHTSSRNARN
VSQAWRHALPFTKILRVQEV CAGALQLLGYRPVYSADQQRDLTLDLVLPR
GPDHFSWASPD

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**

CHST5

Full Name

Carbohydrate sulfotransferase 5

Introduction

The protein encoded by this gene belongs to the Gal/GalNAc/GlcNAc 6-O-sulfotransferase (GST) family, members of which catalyze the transfer of sulfate to position 6 of galactose (Gal), N-acetylgalactosamine (GalNAc), or N-acetylglucosamine (GlcNAc) residues within proteoglycans, and sulfation of O-linked sugars of mucin-type acceptors. Carbohydrate sulfation plays a critical role in many biologic processes. This gene is predominantly expressed in colon and small intestine.

Alternative Names

CHST5; gn6st-3; hIGn6ST; I-GlcNAc6ST; glcNAc6ST-3; I-GlcNAc-6-ST; GST4-alpha; N-acetylglucosamine 6-O-sulfotransferase 3; carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 5; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 4-alpha; intestinal GlcNAc-6-sulfotransferase; Carbohydrate sulfotransferase 5

Gene ID

[23563](#)

UniProt ID

[Q9GZS9](#)