

Product Information

MemDX™ Membrane Protein Human CHST4 (Carbohydrate sulfotransferase 4) Full Length

Cat. No.: **MPC4217K**

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

This product is a made-to-order Human CHST4 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

CHST4

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MLLPKMKMLLLFLVSQMAILALFFHMYSHNISSLSMKAQPERMHVVLVLS
WRSGSSSVFGQLFGQHPDVFYLMPEAWHVWMTFKQSTAWMLHMAVRDLIRA
VFLCDMSVFDAYMEPGPRRQSSLFQWENSALCSAPACDIIPQDEIIPRA
HCRLLCSQQPFVEVVEKACRSYSHVVLKEVRFFNLQSLYPLLKDPSLNLHI
VHLVRDPRAVFRSRERTKGDLMIDSRIVMGQHEQKLKEDQPYVVMQVIC
QSQLEIYKTIQSLPKALQERYLLVRYEDLARAPVAQTSRMYEFVGLFLP
HLQTTWVHNITRGKMGMDHAFHTNARDALNVSAWRWSLPYEKVSRLQKAC
GDAMNLLGYRHVRSESEQRNLLDLLSTWTVPEQIH

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**

CHST4

Full Name

Carbohydrate sulfotransferase 4

Introduction

This gene encodes an N-acetylglucosamine 6-O sulfotransferase. The encoded enzyme transfers sulfate from 3'phosphoadenosine 5'phospho-sulfate to the 6-hydroxyl group of N-acetylglucosamine on glycoproteins. This protein is localized to the Golgi and is involved in the modification of glycan structures on ligands of the lymphocyte homing receptor L-selectin. Alternate splicing in the 5' UTR results in multiple transcript variants that encode the same protein.

Alternative Names

CHST4; GST3; LSST; GlcNAc6ST2; HECGLCNAC6ST; GST-3; HEC-GlcNAc6ST; L-selectin ligand sulfotransferase; N-acetylglucosamine 6-O-sulfotransferase 2; carbohydrate (N-acetylglucosamine 6-O) sulfotransferase 4; galactose/N-acetylglucosamine/N-acetylgalactosamine 6-O-sulfotransferase 3; galactose/N-acetylglucosamine/N-acetylglucosamine 6-O-sulfotransferase 3; glcNAc6ST-2; gn6st-2; high endothelial cells N-acetylglucosamine 6-O-sulfotransferase; Carbohydrate sulfotransferase 4

Gene ID

[10164](#)

UniProt ID

[Q8NCG5](#)