

Product Information

MemDX™ Membrane Protein Human CHST9 (Carbohydrate sulfotransferase 9) Full Length

Cat. No.: **MPC3688K**

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

This product is a made-to-order Human CHST9 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

CHST9

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MQPSEMVMNPKQVFLSVLIFGVAGLLLFMYLQVWIEEQHTGRVEKRREQK
VTSGWGPVKYLRPVPRIMSTEKIQEHITNQNPKFHMPEDVREKKENLLLN
SERSTRLLTKTSHSQGGDQALSKSTGSPTEKLEKRQGAKTVFNKFSNMN
WPVDIHPLNKS LVKDNKWKKTEETQEKRRSFLQEFCKKYGGVSHHQSHLF
HTVSRIYVEDKHKILYCEVPKAGCSNWKRILMVLNGLASSAYNISHNAVH
YGKHLKKLDSFDLKG IYTRLNTYTKAVFVRDPMERLVSAFRDKFEHPNSY
YHPVFGKAIKKYRPNACEEALINGSGVKFKEFIHYLLDSHRPVGM DIHW
EKVSKLCYPCLINYDFVGKFETLEEDANYFLQMIGAPKELKFPNFKDRHS
SDERTNAQVVRQYLKDLTRTERQLIYDFYLDYLMFNYYTTPFL

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**

CHST9

Full Name

Carbohydrate sulfotransferase 9

Introduction

The protein encoded by this gene belongs to the sulfotransferase 2 family. It is localized to the golgi membrane, and catalyzes the transfer of sulfate to position 4 of non-reducing N-acetylgalactosamine (GalNAc) residues in both N-glycans and O-glycans. Sulfate groups on carbohydrates confer highly specific functions to glycoproteins, glycolipids, and proteoglycans, and are critical for cell-cell interaction, signal transduction, and embryonic development. Alternatively spliced transcript variants have been described for this gene.

Alternative Names

CHST9; GalNAc4ST2; GALNAC4ST-2; carbohydrate sulfotransferase 9; GalNAc-4-sulfotransferase 2; N-acetylgalactosamine 4-O-sulfotransferase 2; carbohydrate (N-acetylgalactosamine 4-O) sulfotransferase 9; galNAc-4-O-sulfotransferase 2; Carbohydrate sulfotransferase 9

Gene ID

[83539](#)

UniProt ID

[Q7L1S5](#)