

Product Information

MemDX™ Membrane Protein Human HS6ST1 (Heparan sulfate 6-O-sulfotransferase 1) Full Length

Cat. No.: **MPC4184K**

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

This product is a made-to-order Human HS6ST1 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

HS6ST1

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MRRRRAGGRMTMVERASKFVLVVAGSVCFMLILYQYAGPGLSLGAPGGRAP
PDDLDFPTDPHYEKKYYFPVRELESLRFDKMGDDVIVFLHIQKTGGT
TFGRHLVQNVRLVPCDCRPGQKKCTCYRPNRRETWLFSTGWSCGLH
ADWTELTNCVPGVLDRRDSAALRTPRKFFYYITLLRDPVSRYLSEWRHVQR
GATWKTSLHMCDCGRTPTEELPPCYEGTDWSGCTLQEFMDCPYNLANNRQ
VRMLADLSLVGCYNLSFIPEGKRAQLLLESAAKNLRGMAFFGLTEFQRKT
QYLFERTFNLKFIRPFMQYNSTRAGGVEVDEDTIRRIEELNDLDMQLYDY
AKDLFQQRYYQYKRQLERREQRLRSREERLLHRAKEALPREDADEPGRVPT
EDYMSHIEKW

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**

HS6ST1

Full Name

Heparan sulfate 6-O-sulfotransferase 1

Introduction

The protein encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biological activities. This enzyme is a type II integral membrane protein and is responsible for 6-O-sulfation of heparan sulfate. This enzyme does not share significant sequence similarity with other known sulfotransferases. A pseudogene located on chromosome 1 has been found for this gene.

Alternative Names

HS6ST1; HH15; HS6ST; HS6ST-1; heparan-sulfate 6-sulfotransferase; Heparan sulfate 6-O-sulfotransferase 1

Gene ID

[9394](#)

UniProt ID

[O60243](#)