

Product Information

MemDX™ Membrane Protein Human HS2ST1 (Heparan sulfate 2-O-sulfotransferase 1) Full Length

Cat. No.: **MPC4282K**

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

This product is a made-to-order Human HS2ST1 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

HS2ST1

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MGLLRIMMPPKLQLLAVVAFAVAMLFLENQIQKLEESRSKLERAIARHEV
REIEQRHTMDGPRQDQTLDEEEDMVIYNRVPKTASTSFTNIAYDLCAKN
KYHVLHINTTKNNPVMSLQDQVRVFNITSWKEMKPGFYHGHVSYLDFAK
FGVKKKPIYINVIRDPICRLVSYYYFLRFGDDYRPLRRRKQGDKKTFDE
CVAEGGSDCAPEKLWLQIPFFCGHSSECWNVGSRWAMDQAKYNLINEYFL
VGVTEELEDLIMLEAALPRFFRGATELYRTGKKSHLRKTTEKKLPTKQT
IAKLQQSDIWKMENEFYEFALQFQFIRAHAVREKGDLYILAQNFFYEK
IYPKSN

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**

HS2ST1

Full Name

Heparan sulfate 2-O-sulfotransferase 1

Introduction

Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. This gene encodes a member of the heparan sulfate biosynthetic enzyme family that transfers sulfate to the 2 position of the iduronic acid residue of heparan sulfate. The disruption of this gene resulted in no kidney formation in knockout embryonic mice, indicating that the absence of this enzyme may interfere with the signaling required for kidney formation. Two alternatively spliced transcript variants that encode different proteins have been found for this gene.

Alternative Names

HS2ST1; NFSRA; dJ604K5.2; 2-O-sulfotransferase; 2OST; Heparan sulfate 2-O-sulfotransferase 1

Gene ID

[9653](#)

UniProt ID

[Q7LGA3](#)