

Product Information

MemDX™ Membrane Protein Human HS3ST3A1 (Heparan sulfate-glucosamine 3-sulfotransferase 3A1) Full Length

Cat. No.: **MPC3808K**

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

This product is a made-to-order Human HS3ST3A1 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

HS3ST3A1

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MAPPGPASALSTSAEPLSRSIFRKFLMLCSLLTSLYVFYCLAERCQTLS
GPVVGLSGGGEEAGAPGGGVLAGGPRELAVWPAQAQRKRLQLPQWRRRR
PPAPRDDGEEAAWEEESPGLSGGPGGSGAGSTVAEAPPGLALLLDEGSK
QLPQAIIIGVKKGGTRALLEFLRVHPDVRAVGAEPHFFDRSYDKGLAWYR
DLMPRTLDDGQITMEKTPSYFVTREAPARISAMSKDTKLIVVVRDPVTRAI
SDYTQTLTKRPDIPTFESLTFKNRTAGLIDTSWSAIQIGIYAKHLEHWLR
HFPIRQMLFVSGERLISDPAGELGRVQDFLGLKRIITDKHFYFNKTKGFP
CLKKAEGSSRPCLGKTKGRTHPEIDREVVRRLREFYRPFNLKFYQMTGH
DFGWDG

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**

HS3ST3A1

Full Name

Heparan sulfate-glucosamine 3-sulfotransferase 3A1

Introduction

Heparan sulfate biosynthetic enzymes are key components in generating a myriad of distinct heparan sulfate fine structures that carry out multiple biologic activities. The enzyme encoded by this gene is a member of the heparan sulfate biosynthetic enzyme family. It is a type II integral membrane protein and possesses heparan sulfate glucosaminyl 3-O-sulfotransferase activity. The sulfotransferase domain of this enzyme is highly similar to the same domain of heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3B1, and these two enzymes sulfate an identical disaccharide. This gene is widely expressed, with the most abundant expression in liver and placenta.

Alternative Names

HS3ST3A1; 3OST3A1; 3-OST-3A; heparan sulfate glucosamine 3-O-sulfotransferase 3A1; heparan sulfate (glucosamine) 3-O-sulfotransferase 3A1; heparan sulfate 3-O-sulfotransferase 3A1; heparan sulfate D-glucosaminyl 3-O-sulfotransferase 3A1; heparin-glucosamine 3-O-sulfotransferase; Heparan sulfate-glucosamine 3-sulfotransferase 3A1

Gene ID

[9955](#)

UniProt ID

[Q9Y663](#)