

Product Information

MemDX™ Membrane Protein Human NDST1 (N-deacetylase and N-sulfotransferase 1) Full Length

Cat. No.: **MPC2983K**

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

This product is a made-to-order Human NDST1 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

NDST1

Protein Length

Full length

Protein Class

Transferase

TMD

1

Sequence

MPALACLRRLCRHVSPQAVLFLLFIFCLFSVFISAYYLYGWKRGLEPSAD
APEPDCGDPVPVAPSRLPLKPVQAATPSRTDPLVLVFVESLYSQLGQEV
VAILESSRFKYRTEIAPGKGDMPTLTDKGRGRFALIIYENILKYVNLDW
NRELLDKYCVAYGVGIIFFKANENSLLSAQLKGFPLFLHSNLGLKDCSI
NPKSPLLYVTRPSEVEKGVLPGEDWTVFQSNHSTYEPVLLAKTRSSSIP
HLGADAGLHAALHATVVQDLGLHDGIQRVLFGNLNFVWLHKLVFVDAVAF
LTGKRLSLPLDRYILVDIDDIFVGKEGTRMKVEDVKALFDTQNELRAHIP
NFTFNLGYSGKFFHTGTNAEDAGDDLLSYVKEFWWFPHMWSHMQPHLFH
NQSVLAEQMALNKKFAVEHGIPDTMGYAVAPHHSGVYPVHVQLYEAWKQV
WSIRVTSTEEYPHLKPARYRRGFIHNGIMVLPRQTCGLFTHTIFYNEYPG
GSSELDKIINGGELFTVLLNPISIFMTHLSNYGNDRLGLYTFKHLVRFL
HSWTNLRQLTLPVQLAQKYFQIFSEEKDWQDPCEDKRHKDIWSKEKT
CDRFPKLLIIGPQKTGTALYFLGMHPDLSSNYPSSSETFEEIQFFNGHN
YHKGIDWYMEFFPIPSNTTSDFYFEKSANYFDSEVAPRRAAALLPKAKVL
TILINPADRAYSWYQHQRADDPVALKYTFHEVITAGSDASSKLRLAQNR
CLVPGWYATHIERWLSAYHANQILVLDGKLLRTEPAKVMMDMVQKFLGVTN
TIDYHKTLAFDPKKGFWCQLLEGGKTKCLGKSKGRKYPEMDLDSRAFLKD
YYRDHNIELSKLLYKMGQTLPTWLREDLQNTR

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

NDST1

Full Name

N-deacetylase and N-sulfotransferase 1

Introduction

This gene encodes a member of the heparan sulfate/heparin GlcNAc N-deacetylase/ N-sulfotransferase family. The encoded enzyme is a type II transmembrane protein that resides in the Golgi apparatus. The encoded protein catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate to nitrogen of glucosamine in heparan sulfate. Alternative splicing results in multiple transcript variants.

Alternative Names

NDST1; HSST; NST1; MRT46; bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1; HSNST 1; N-Deacetylase-N-sulfotransferase 1; N-HSST 1; N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1; N-deacetylase/N-sulfotransferase 1; N-heparan sulfate sulfotransferase 1; NDST-1; [Heparan sulfate]-glucosamine N-sulfotransferase 1; glucosaminyl N-deacetylase/N-sulfotransferase 1; heparan sulfate-N-deacetylase/N-sulfotransferase; heparan sulfate/heparin GlcNAc N-deacetylase/GlcN N-sulfotransferase 1; N-deacetylase and N-sulfotransferase 1

Gene ID

[3340](#)

UniProt ID

[P52848](#)