

Product Information

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

Expressed in CHO for Antibody Discovery, Partial (79-882aa)

Cat. No.: **MPX0507K**

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

This product is a 93 kDa Human NDST1 membrane protein expressed in CHO. 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

Partial (79-882aa)

Protein Class

Transferase

Molecular Weight

93 kDa

TMD

1

Sequence

SRTDPLVLVFVESLYSQLGQEV
VAILESSRFKYRTEIAPGKGDMPTLTDKGRGRFALIIYENILKYVNLD
NRELLDKYCVAYGVGIIGFFKANENSLLSAQLKGFPLFLHSNLGLKDCSI
NPKSPLLYVTRPSEVEKGVLPGEDWTVFQSNHSTYEPVLLAKTRSESIP
HLGADAGLHAALHATVVQDLGLHDGIQRVLFGNLNFVWLHKLVFVDAVAF
LTGKRLSLPLDRYILVDIDDIFVGKEGTRMKVEDVKALFDTQNELRAHIP
NFTFNLGYSKGFFHTGTNAEDAGDDLLSYVKEFWWFPHMWSHMQPHLFH
NQSVLAEQMALNKKFAVEHGIPDMGYAVAPHHSGVYPVHVQLYEAWKQV
WSIRVTSTEEYPHLKPARYRRGFIHNGIMVLPRQTCGLFTHTIFYNEYPG
GSSELDKIINGGELFTVLLNPISIFMTHLSNYGNDRLGLYTFKHLVRFL
HSWTNLRQLPVPVQLAQKYFQIFSEEKDWQDPCEDKRHKDIWSKEKT
CDRFPKLLIIGPQKTGTALYLFLGMHPDLSSNYPSSSETFEEIQFFNGHN
YHKIDWYMEFFPIPSNTTSDFYFEKSANYFDSEVAPRRAAALLPKAKVL
TILINPADRAYSWYQHQRHADDPVALKYTFHEVITAGSDASSKLRLQNR
CLVPGWYATHIERWLSAYHANQILVLDGKLLRTEPAKVMDMVQKFLGVTN
TIDYHKTALFDPKKGFWCQLLEGGKTKCLGKSKGRKYPEMDLDSRAFLKD
YYRDHNIELSKLLYKMGQTLPTWLREDLQNTR

Product Description

Activity

Yes

Expression Systems

CHO

Tag

6xHis tag at the C-terminus

Protein Format

Soluble

Form

Liquid

Endotoxin

<1.0 EU per 1 µg of the protein by the LAL method.

Purity

>95%, by SDS-PAGE under reducing conditions and visualized by silver stain

Buffer

Supplied as a 0.2 µm filtered solution in Tris, NaCl, Brij-35 and Glycerol.

Storage

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -70°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](#)