

Product Information

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

Cat. No.: **MP0515J**

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

This product is a 100.7 kDa Human NDST1 membrane protein expressed in HEK293T. 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

Transmembrane

Molecular Weight

100.7 kDa

TMD

1

Sequence

MPALACLRLCRHVSPQAVLFLFIFCLFSVFISAYLYGWKRGLEPSADAPEPDCGDPVAPSRLLPL
KPVQAATPSRTDPLVLVFVESLYSQLGQEVVAILESSRFKYRTEIAPGKGDMPTLTDKGRGRFALIYEN
ILKYVNLDawnRELLDKYCVAYGVGIIGFFKANENSLLSAQLKGFPLFLHSNLGLKDCSINPKSPLLYVT
RPSEVEKGVLPGEDWTVFQSNHSTYEPVLLAKTRSSSEIPHLGADAGLHAALHATVVQDLGLHDGIQVRV
FGNNLNFWLHKLVFVDAVAFLTGKRLSLPLDRYILVDIDDIFVGKEGTRMKVEDVKALFDTQNELRAHIP
NFTFNLGYSGKFFHTGTNAEDAGDDLLLSYVKEFWWPHMWSHMOPHLFHNQSVLAEQMALNKKFAVEHG
IPTDMGYAVAPHHSGVYPVHVQLYEAWKQVWSIRVTSTEEYPHLKPARYRRGFIHNGIMVLPQTGCLFT
HTIFYNEYPGGSSELDKIINGGELFTVLLNPISIFMTHLSNYGNDRLGLYTFKHLVRFLHSWTNLRQT
LPPVQLAQKYFQIFSEKDPDWQPCEDKRHKDIWSKEKTCDFPKLLIIGPQKTGTTALYLFLGMHPDL
SSNYPSETFEEIQFFNGHNYHKGIDWYMEFFPIPSNTTSDFYFEKSANYFDSEVAPRRAAALLPKAKVL
TILINPADRAYSWYQHQRADDPVALKYTFHEVITAGSDASSKLRLQNRCLVPGWYATHIERWLSAYHA
NQILVLDGKLLRTEPAKVMQKFLGVTNTIDYHKTAFDPKKGFWCQLLEGGKTKCLGKSKGRKYPEM
DLDSRAFLKDYYRDHNIELSKLLYKMGQTLPTWLREDLQNT

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

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

HSST; NST1; MRT46

Gene ID

[3340](#)

UniProt ID

[P52848](#)