

Product Information

MemDX™ Membrane Protein Human NDST3 (N-deacetylase and N-sulfotransferase 3)

Cat. No.: **MP0259J**

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

This product is a 100.7 kDa Human NDST3 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

NDST3

Protein Length

Full-length

Protein Class

Transmembrane

Molecular Weight

100.7 kDa

TMD

1

Sequence

MSFIMKLRHRHFQRTVILLATFCMVSIISAYLYSGYKQENELSETASEVDCGDLQHLPYQLMEVKAMKL
FDASRTDPTVLVFVESQYSSLGQDIIMILESSRFQYHIEIAPGKGDLPVLIDKMKGYILIIYENILKYI
NMDSWNRSLLDKYCVEYGVGVIGFHKTSKSVQSFQLKGFPFSIYGNLAVKDCCINPHSPLIRVTKSSKL
EKGSLPGTDWTVFQINHSAYQPVIFAKVKTPENLSPSISKGAFYATIIHDLGLHLDGIQRVLFGNLNLFWL
HKLIFIDAISFLSGKRLTSLDRYILVDIDDIFVGKEGTRMNTNDVKALLDTQNLLRAQITNFTFNLGFS
GKFYHTGTEEEDEGDDCLLSGVDEFWCFFPHMWSHMQPHLFHNESSLVEQMILNKKFALEHGIPDTMGYAV
APHHSGVYPVHVQLYEAWKVWNKITSTEEYPHLKPARYRRGFIHKNIMVLPRQTCGLFTHTIFYKEYP
GGPKELDKSIQGGELFFTIVLNPISIFMTHLSNYGNDRGLYTFVNLANFVKSWTNLRLQTLPPVQLAHK
YFELFPDQKDPLWQNPCDDKRHRDIWSKEKTCDRLPKFLVIGPQKTGTTALYFLVMHPSILSNSPSPKT
FEEVQFFNRNNYHRGIDWYMDFFPVPSNVTTDFLEKSANYFHSEEAPKRAASLVPKAKIITILIDPSDR
AYSWYQHQRSHEDPAALKFSFYEVISAGPRAPSELRALQKRCLVPGWYASHIERWL VYFPPFQLLIIDGQ
QLRTDPATVMDEVQKFLGVLPHYNYSEALTFDSHKGFWCQLLEEGKTKCLGKSKGRKYPPMDSDSRTFLS
SYYRDHNVLSKLLHKLGGQLPSWLRQELQKVR

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**

NDST3

Full Name

N-deacetylase and N-sulfotransferase 3

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. This monomeric bifunctional enzyme catalyzes the N-deacetylation and N-sulfation of N-acetylglucosamine residues in heparan sulfate and heparin, which are the initial chemical modifications required for the biosynthesis of the functional oligosaccharide sequences that define the specific ligand binding activities of heparan sulfate and heparin.

Alternative Names

HSST3; GlcNAc N-deacetylase/ N-sulfotransferase 3; N-deacetylase/N-sulfotransferase 3; N-heparan sulfate sulfotransferase 3; glucosaminyl N-deacetylase/N-sulfotransferase 3

Gene ID

[9348](#)

UniProt ID

[O95803](#)