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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
MSFIMKLHRHFQRTVILLATFCMVSIIISAYYLYSGYKQENELSETASEVDCGDLQHLPYQLMEVKAMKL
FDASRTDPTVLVFVESQYSSLGQDIIMILESSRFQYHIEIAPGKGDLPVLIDKMKGKYILIIYENILKYI
NMDSWNRSLLDKYCVEYGVGVIGFHKTSEKSVQSFQLKGFPFSIYGNLAVKDCCINPHSPLIRVTKSSKL
EKGSLPGTDWTVFQINHSAYQPVIFAKVKTPENLSPSISKGAFYATIIHDLGLHDGIQRVLFGNNLNFWL
HKLIFIDAISFLSGKRLTLSLDRYILVDIDDIFVGKEGTRMNTNDVKALLDTQNLLRAQITNFTFNLGFS
GKFYHTGTEEEDEGDDCLLGSVDEFWCFPHMWSHMQPHLFHNESSLVEQMILNKKFALEHGIPTDMGYAV
APHHSGVYPVHVQLYEAWKKVWNIKITSTEEYPHLKPARYRRGFIHKNIMVLPRQTCGLFTHTIFYKEYP
GGPKELDKSIQGGELFFTVVLNPISIFMTHLSNYGNDRLGLYTFVNLANFVKSWTNLRLQTLPPVQLAHK
YFELFPDQKDPLWQNPCDDKRHRDIWSKEKTCDRLPKFLVIGPQKTGTTALYLFLVMHPSILSNSPSPKT
FEEVQFFNRNNYHRGIDWYMDFFPVPSNVTTDFLFEKSANYFHSEEAPKRAASLVPKAKIITILIDPSDR
AYSWYQHQRSHEDPAALKFSFYEVISAGPRAPSELRALQKRCLVPGWYASHIERWLVYFPPFQLLIIDGQ
QLRTDPATVMDEVQKFLGVLPHYNYSEALTFDSHKGFWCQLLEEGKTKCLGKSKGRKYPPMDSDSRTFLS
SYYRDHNVELSKLLHKLGQPLPSWLRQELQKVR

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

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