

Product datasheet for PH321638

NDST1 (NM_001543) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	NDST1 MS Standard C13 and N15-labeled recombinant protein (NP_001534)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC221638
Predicted MW:	100.7 kDa
Protein Sequence:	>RC221638 representing NM_001543 Red=Cloning site Green=Tags(s)

MPALACLRRRLCRHVSPQAVLFLLLFIFCLFSVFI SAYYL YGWKRGLEPSADAPEPCDGPDPVAPSRLPL
KPVQAATPSRTDPLVLFVESLYSQLGQEVVAILESSRFKYRTEIAPGKGDMPRTLTDKGRGRFALIIYEN
ILKYVNLDAWNRELLDKYCVAYGVGIIGFFKANENSLLSAQLKGFPLFLHSNLGLKDCSINPKSPLLYVT
RPSEVEKGVLPGEDWTVFQSNHSTYEPVLLAKTRSESIPHLGADAGLHAALHATVVQDLGLHDGIQRVL
FGNNLNFWLHKL VFDVAFAFLTGKRLSLPLDRYILVDIDDIFVVGKEGTRMKVEDVKALFDTQNELRAHIP
NFTFNLGYSGKFFHTGTNAEDAGDLLLLSYVKEFWFPHMWSHMOPHLFHNQSVLAEQMALNKKFAVEHG
IPTDMGYAVAPHHSGVYPVHVQLYEAWKQVWSIRVTSTEEYPHLKPARYRRGF IHNGIMVLPRTCGLFT
HTIFYNEYPGGSSELDKIINGGELFLT VLLNPISIFMTHLSNYGNDRLGLYTFKHLVRFLHSWTNLRQT
LPPVQLAQKYFQIFSEEKDWQPCEDKRHKDIWSKEKTCDRFPKLLIIGPQKTGTTALYFLGMHPDL
SSNYPSSETFEEIQFFNGHNYHKGIDWYMEFFP IPSNTTSDFYFEKSANYFDSEVAPRRAAALLPKAKVL
TILINPADRAYSWYQHQRADDPVALKYTFHEVITAGSDASSKLRLQNRCLVPGWYATHIERWLSAYHA
NQILVLDGKLLRTEPAKVMDMVQKFLGVTNTIDYHKTLAFDPKKGFWCQLLEGGKTKCLGKSKGRKYP
DLDSRAFLKDYYRDHNIELSKLLYKMGQTLPTWLREDLQNT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.



[View online »](#)

RefSeq: [NP_001534](#)

RefSeq Size: 7913

RefSeq ORF: 2646

Synonyms: HSST; MRT46; NST1

Locus ID: 3340

UniProt ID: [P52848](#), [A8K8T3](#)

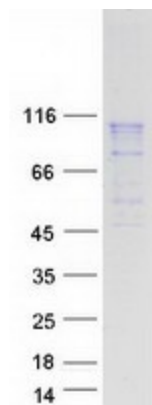
Cytogenetics: 5q33.1

Summary: 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. [provided by RefSeq, Dec 2014]

Protein Families: Transmembrane

Protein Pathways: Heparan sulfate biosynthesis, Metabolic pathways

Product images:



Coomassie blue staining of purified NDST1 protein (Cat# [TP321638]). The protein was produced from HEK293T cells transfected with NDST1 cDNA clone (Cat# [RC221638]) using MegaTran 2.0 (Cat# [TT210002]).