

## Product datasheet for PH317551

### NDST3 (NM\_004784) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NDST3 MS Standard C13 and N15-labeled recombinant protein (NP_004775)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217551
Predicted MW:	100.7 kDa
Protein Sequence:	>RC217551 representing NM_004784 Red=Cloning site Green=Tags(s)

MSFIMKLRHRHFQRTVILLATFCMVSIISAYLYSGYKQENELSETASEVDCGDLQHLPLYQLMEVKAMKLF  
 FDASRTDPTVLVFVESQYSSLGQDIIMILESSRFQYHIEIAPGKGDLPVLIDKMKGYILIIYENILKYI  
 NMDSWNRSLLDKYCVEYGVGVIGFHKTSKSVQSFQLKGFPSIYGNLAVKDCCINPHSPLIRVTKSSKL  
 EKGSLPGTDWTVFQINHSAYQPVIFAKVKTPENLSPSISKGAFYATIIHDLGLHDGIQRVLFGNNLFWL  
 HKLIFIDAI SFLSGKRL TSLDRYILVDIDDIFVGKEGTRMNTNDVKALLDTQNLRAQITNFTFNLF  
 GSKFYHTGTEEEDEGDDCLLGSVDEFWCFPHMWSHMOPHLFHNESSLVEQMILNKKFALEHGIPDMGYAV  
 APHHSVYYPVHVQLYEAWKKVWNIKITSTEEYPHLKPARYRRGF IHKNIMVLPRQTCGLFTHTIFYKEYP  
 GGPKELDKSIQGGELFFTVVLPISIFMTHLSNYGNDRLGLYTFVNLANFVKSWTNLRQLTLPVQLAHLK  
 YFELFPDQKDPWQNPCDDKRHRDIWSKEKTCDRLPKFLVIGPQKTGTTALYFLVMHPSILSNPSPKT  
 FEEVQFFNRNNYHRGIDWYMDFFPVPSTVDFLFEKSANYFHSEEAPKRAASLVPKAKIITILIDPSDR  
 AYSWYQHQRSHPAALKFSFYEVISAGPRAPSELRALQKRCVPGWYASHIERWLVYFPPFQLLIIDGQ  
 QLRTDPATVMDEVQKFLGVLPHYNYSEALTFDSHKGFWCQLLEEGTKCLGKSKGRKYPMDSDSRTFLS  
 SYYRDHNVLSKLLHKLGPPLPSWLRQELQKVR

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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.



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RefSeq: [NP\\_004775](#)

RefSeq Size: 3188

RefSeq ORF: 2619

Synonyms: HSST3

Locus ID: 9348

UniProt ID: [O95803](#)

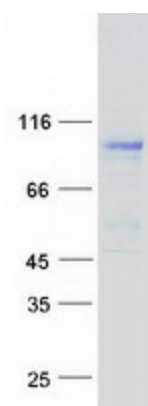
Cytogenetics: 4q26

**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. 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. [provided by RefSeq, Nov 2008]

**Protein Families:** Transmembrane

**Protein Pathways:** Heparan sulfate biosynthesis, Metabolic pathways

### Product images:



Coomassie blue staining of purified NDST3 protein (Cat# [TP317551]). The protein was produced from HEK293T cells transfected with NDST3 cDNA clone (Cat# [RC217551]) using MegaTran 2.0 (Cat# [TT210002]).