

Recombinant Human NDST1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDST1-1092H Lot. No. (See product label)

SPECIFICATION

Product Overview	NDST1 MS Standard C13 and N15-labeled recombinant protein (NP_001534) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	100.7 kDa
AA Sequence	MPALACLRLCRHVSPQAVLFLLFIFCLFSVFISAYYLYGWKRGLEPSADAPEPCG DPPPVAPSRLLPLKPVQAATPSRTDPLVLFVESLYSQLGQEVVAILESSRFKYRTEI APGKGDMPRTLTDKGRGRFALIYENILKYVNLDAWNRELLDKYCVAYGVGIIGFFKAN ENLLSAQLKGFPLFLHSNLGLKDCSINPKSPLLYVTRPSEVEKGVLPGEDWTVFQS NHSTYEPVLLAKTRSSSIPHLGADAGLHAALHATVVQDLGLHDGIQRVLFGNNLNF WLHKLVFVDAVAFLTGKRLSLPLDRYILVDIDDIFVGKEGTRMKVEDVKALFDTQNEL RAHIPNFTFNLGYSKFFHTGTNAEDAGDLLLLSYVKEFWWPFHMWSHMQPHLPH NQSVLAEQMALNKKFAVEHGIPTDMGYAVAPHHSGVYPVHVQLYEAWKQVWSIRV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

TSTEEYPHLKPARYRRGFIHNGIMVLPRTCGLFTHTIFYNEYPPGGSSELDKIINGGE
 LFLTVLLNPISIFMTHLSNYGNDRLGLYTFKHLVRFHLSWTNLRLQTLPPVQLAQKYF
 QIFSEEKPLWQDPCEDKRHKDIWSKEKTCDRFPKLLIIGPQKTGTTALYLFLGMHP
 DLSSNYPSSSETFEEIQFFNGHNYHKGIDWYMEFFPIPSNTTSDFYFEKSANYFDSEV
 APRRAAALLPKAKVLTILINPADRAYSWYQHQRADDPVALKYTFHEVITAGSDASSK
 LRALQNRCLVPGWYATHIERWLSAYHANQILVLDGKLLRTEPAKVMDMVQKFLGVT
 NTIDYHKTLAFDPKKGFWCQLLEGGKTKCLGKSKGRKYPEMDLDSRAFLKDYYRDH
 NIELSKLLYKMGQTLPTWLREDLQNTRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name NDST1 N-deacetylase and N-sulfotransferase 1 [Homo sapiens (human)]

Official Symbol NDST1

Synonyms NDST1; N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1; HSST; bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1; NST1; NDST-1; HSNST 1; N-HSST 1; N-heparan sulfate sulfotransferase 1; glucosaminyl N-deacetylase/N-sulfotransferase 1; heparan sulfate-N-deacetylase/N-sulfotransferase; [Heparan sulfate]-glucosamine N-sulfotransferase 1;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Gene ID 3340

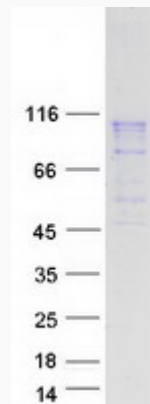
mRNA Refseq NM_001543

Protein Refseq NP_001534

MIM 600853

UniProt ID P52848

SDS-PAGE



 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA