

Recombinant Human NDST3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NDST3-2678H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NDST3 MS Standard C13 and N15-labeled recombinant protein (NP_004775) 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. 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.
Molecular Mass	100.7 kDa
AA Sequence	MSFIMKLHRHFQRTVILLATFCMVSIISAYLYSGYKQENELSETASEVDCGDLQHLP YQLMEVKAMKLFDA SRTDPTVLVFVESQYSSLGQDIIMILESSRFQYHIEIAPGKGDL PVLIDKMKGKYILIIYENILKYINMDSWNRSLLDKYCVEYGVGVIGFHKTSKSVQSFQ LKGFPFSIYGNLAVKDCCINPHSPLIRVTKSSKLEKGS LPGTDWTVFQINHSAYQP VIF AKVKTPENLSPSISKGAFYATIIHDLGLHDGIQ RVLFGNNLNFWLHKLIFIDAISFLSGK RLTSLDRYILVDIDDIFVGKEGTRMNTNDVKALLDTQ NLLRAQITNFTFNLGFSGKFY

 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

HTGTEEEDEGDDCLLGSVDEFWCFFPHMWSHMQPHLFHNESSLVEQMILNKKFALE
 HGIPTDMGYAVAPHHSGVYPVHVQLYEAWKKVWNKITSTEEYPHLKPARYRRGFIH
 KNIMVLPRQTCGLFTHIFYKEYPGGPKELDKSIQGGELFFTIVLNPISIFMTHLSNYG
 NDRLGLYTFVNLANFVKSWTNLRLQLTPPVQLAHKYFELFPDQKDPLWQNPCDDKR
 HRDIWSKEKTCDRLPKFLVIGPQKTGTTALYLFLVMHPSILSNSPSPKTFEEVQFFNR
 NNYHRGIDWYMDFFPVPSNVTTDFLFEKSANYFHSEEAPKRAASLVPKAKIITILIDPS
 DRAYSWYQHQRSHEDPAALKFSFYEVISAGPRAPSELRALQKRCLVPGWYASHIER
 WLVIYFPFQQLIIDGQQLRTDPATVMDEVQKFLGVLPHYNYSEALTFDSHKGFWCQL
 LEEGKTKCLGKSKGRKYPPMDSDSRTFLSSYYRDHNVLSKLLHKLGLQPLPSWLRQ
 ELQKVRTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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 NDST3 N-deacetylase and N-sulfotransferase 3 [Homo sapiens (human)]

Official Symbol NDST3

Synonyms NDST3; N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3; bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 3; HSST3; NDST-3; hNDST-3; N-HSST 3; N-heparan sulfate sulfotransferase 3; GlcNAc N-deacetylase/ N-

 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

sulfotransferase 3; glucosaminyl N-deacetylase/N-sulfotransferase 3; MGC130028;
MGC130029;

Gene ID 9348

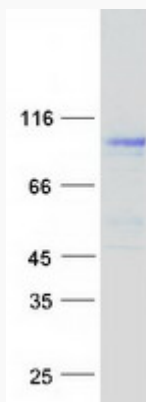
mRNA Refseq NM_004784

Protein Refseq NP_004775

MIM 603950

UniProt ID O95803

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