

Product datasheet for **TP321638**

NDST1 (NM_001543) Human Recombinant Protein

Product data:

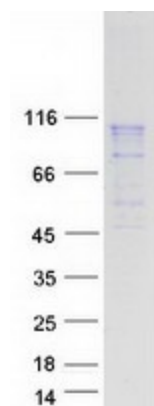
Product Type:	Recombinant Proteins
Description:	Recombinant protein of human N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 1 (NDST1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC221638 representing NM_001543 Red =Cloning site Green =Tags(s)
	<p>MPALACLRRLLCRHVSPQAVLFLFIFCLFSVFISAYLYGWKRGLEPSADAPEPCGDP PPPVAPSRLPL KPVQAATPSRTDPLVLVFEVSLYSQLGQEVVAILESSRFKYRTEIAPGKGDMP TLDKGRGRFALIYEN ILKYVNLDAWNRELLDKYCVAYGVGIIGFFKANENSLLSAQLKGFPLFLHSNLGLKDCSINPKSP LLYVT RPSEVEKGVLPGEDWTVFQSNHSTYEPVLLAKTRSSSIPHLGADAGLHAALHATV VQDLGLHDGIQ RVL FGNNLNFWLHKL VFDVAFLTGKRLSLPLDRYILVDIDDIFVGKEGTRMKVEDVKALFDTQNELRAHIP NFTFNLGYSKGFHTGTNAEDAGD D LLSYVKEFWWFPHMWSHMQPHLFHNQSVLAEQMALNKKFAVEHG IPTDMGYAVAPHHSGVYPVHVQLYEAWKQVWSIRVTSTEEYPHLKPARYRRGFHNGIMVLP RQTCGLFT HTIFYNEYPGGSSELDKIINGGELFTVLLNPISIFMTHLSNYGNDRLGLYTFKHLV RFLHSWTNLR LQT LPPVQLAQKYFQIFSEEKDPLWQDPCEDKRHKDIWSKEKTCDRFPKLLIIGPQKTGTTALYFLGMHPDL SSNYPSETFEEIQFFNGHNYHKIDWYMEFFPIPSNTTSDFYFEKSANYFDSEVAPRRAAALLPKAKVL TILINPADRAYSWYQH QRAHDDPVALKYTFHEVITAGSDASSKL RALQNRCLVPGWYATHIERWLSAYHA NQILVLDGKLLRTEPAKVM DMVQKFLGVTNTIDYHKTLAFDPKKGFWCQLLEGGKTKCLGKSKGRKYPEM DLDSRAFLKDYYRDHNIELSKLLYKMGQTLPTWLREDLQNTR</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p>
Tag:	C-Myc/DDK
Predicted MW:	100.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_001534
Locus ID:	3340
UniProt ID:	P52848 , A8K8T3
RefSeq Size:	7913
Cytogenetics:	5q33.1
RefSeq ORF:	2646
Synonyms:	HSST; MRT46; NST1
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]).