

## Product datasheet for TP317551

### NDST3 (NM\_004784) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3 (NDST3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217551 representing NM_004784 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MSFIMKLRHRHFQRTVILLATFCMVSIISAYLYSGYKQENELSETASEVDCGDLQHLPYQLMEVKAMKL  
FDASRTDPTVLVFEVQYSSLGQDIIMILESSRFQYHIEIAPGKGDLPVLIDKMKGYILIIYENILKYI  
NMDSWNRSLLDKYCVEYGVGVIGFHKTSKSVQSFQLKGFPSIYGNLAVKDCCINPHSPLIRVTKSSKL  
EKGLPGTDWTVFQINHSAYQPVIFAKVKTPENLSPSISKGAFYATIIHDLGLHDGIQRVLFGNLNLFWL  
HKLIFIDAISFLSGKRLTSLDRYILVDIDDIFVGKEGTRMNTNDVKALLDTQNLRAQITNFTFNLGFS  
GKFYHTGTEEEDEGDDCLLGSVDEFWCFPHMWSHMQPFLFHNESSLVEQMILNKKFALEHGIPDMGY  
AV  
APHHSGVYPVHVQLYEAWKKVWNKITSTEEYPHLKPARYRRGFIHKNIMVLPRTQCGLFTHTFIFYKEYP  
GGPKELDKSIQGGELFFTVLNPISIFMTHLSNYGNDRLGLYTFVNLANFVKSWTNLRLQLTPPVQLAHK  
YFELFPDQKDPLWQNPCDDKRHRDIWSKEKTCDRLPKFLVIGPQKTGTTALYLFLVMHPSILSNSPSPKT  
FEEVQFFNRNNYHRGIDWYMDFFPVPSNVTTDFLFEKSANYFHSEEAPKRAASLVPKAKIITILIDPSDR  
AYSWYQHQRSHEDPAALKFSFYEVISAGPRAPSELRALQKRCLVPGWYASHIERWLVFPPFQLLIIDGQ  
QLRTDPATVMDEVQKFLGVLPHYNYSEALTFDSHKGFWCQLLEEGTKKCLGKSKGRKYPPMDSDSRTFLS  
SYRDHNVLSKLLHKLGLQPLPSWLRQELQKVR

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

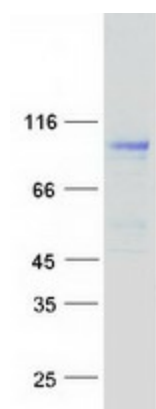
Tag:	C-Myc/DDK
Predicted MW:	100.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Note:</b>	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_004775</a>
<b>Locus ID:</b>	9348
<b>UniProt ID:</b>	<a href="#">O95803</a>
<b>RefSeq Size:</b>	3188
<b>Cytogenetics:</b>	4q26
<b>RefSeq ORF:</b>	2619
<b>Synonyms:</b>	HSST3
<b>Summary:</b>	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]
<b>Protein Families:</b>	Transmembrane
<b>Protein Pathways:</b>	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]).