

Product datasheet for TP317551M

NDST3 (NM_004784) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human N-deacetylase/N-sulfotransferase (heparan glucosaminy) 3 (NDST3), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC217551 representing NM_004784 Red=Cloning site Green=Tags(s)

MSFIMKLRHRHFQRTVILLATFCMVSIISAYLYSGYKQENELSETASEVDCGDLQHLPYQLMEVKAMKL
FDASRTDPTVLVAVESQYSSLGQDIIMILESSRFQYHIEIAPGKGDLPVLIDKMKGKYLIYENILKYI
NMDSWNRSLLDKYVEYGVGVIGFHKTSKSVQSFQLKGFPSIYGNLAVKDCCINPHSPLIRVTKSSKL
EKGSLPGTDWTVFQINHSAYQPVIFAKVKTPELSPSISKGAFYATIIHDLGLHDGIQRVLFGNLNFNL
HKLIFIDAISFLSGKRLTSLDRYLVDIDDIFVGKEGTRMNTNDVKALLDTQNLRAQITNFTFNLGFS
GKFYHTGTEEEDEGDDCLLGSVDEFWCFPHMWSHMQPHLFHNESSLVEQMILNKKFALEHGIPTDMGYAV
APHHSGVYPVHVQLYEAWKKVWNKITSTEEYPHLKPARYRRGFHKNIMVLPRTQCGLFTHITIFYKEYP
GGPKELDKSIQGGELFFTVLNPISIFMTHLSNYGNDRLGLYTFVNLANFVKSWTNLRLQLTPPVQLAHLK
YFELFPDQKDPLWQNPCDDKRHRDIWSKEKTCRDLPKFLVIGPQKTGTTALYFLVMHPSILSNPSPKT
FEEVQFFNRNNYHRGIDWYMDFFPVPSNVTTDFLFEKSANYFHSEEAPKRAASLVPKAKIITILIDPSDR
AYSWYQHQRSHEDPAALKFSFYEVISAGPRAPSELRALQKRCLVPGWYASHIERWLVFPPFQLLIIDGQ
QLRTDPATVMDEVQKFLGVLPHYNYSEALTFDSHKGFWCQLLEEGKTKCLGKSKGRKYPMDSDSRTFLS
SYYRDHNVLSKLLHKLGLQPLPSWLRQELQKVR

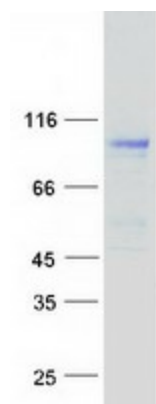
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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
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_004775
Locus ID:	9348
UniProt ID:	O95803
RefSeq Size:	3188
Cytogenetics:	4q26
RefSeq ORF:	2619
Synonyms:	HSST3
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]).