

Recombinant Human NDST1

Cat. No. NDST1-28794TH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant fragment of Human NDST1 with an N terminal proprietary tag; Predicted MWt 36.52 kDa.
Species	Human
Source	Wheat Germ
ProteinLength	99 amino acids
Molecular Weight	36.520kDa inclusive of tags
Tissue specificity	Widely expressed. Expression is most abundant in heart, liver and pancreas.
Form	Liquid
Purity	Proprietary Purification
Storage buffer	pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl
Storage	Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles.
Sequences of amino acids	LYGWKRGLEPSADAEPEPCGDPVAPSRLPLKPVQAATPSRTDPLVLVFVESLY SQLGQEVVAILESSRFKYRTEIAPGKGDMPTLTDKGRGRFALI

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Sequence Similarities Belongs to the sulfotransferase 1 family. NDST subfamily.

GENE INFORMATION

Gene Name NDST1 N-deacetylase/N-sulfotransferase (heparan glucosaminy) 1 [Homo sapiens]

Official Symbol NDST1

Synonyms NDST1; N-deacetylase/N-sulfotransferase (heparan glucosaminy) 1; HSST; bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1; NST1;

Gene ID 3340

mRNA Refseq NM_001543

Protein Refseq NP_001534

MIM 600853

Uniprot ID P52848

Chromosome Location 5q33.1

Pathway Glycosaminoglycan biosynthesis - heparan sulfate, organism-specific biosystem; Glycosaminoglycan biosynthesis - heparan sulfate, conserved biosystem; Glycosaminoglycan biosynthesis, heparan sulfate backbone, organism-specific biosystem; Glycosaminoglycan biosynthesis, heparan sulfate backbone, conserved biosystem; Metabolic pathways, organism-specific biosystem;

Function [heparan sulfate]-glucosamine N-sulfotransferase activity; hydrolase activity;

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sulfotransferase activity; transferase activity;

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