

# Recombinant Human NDST1

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

## SPECIFICATION

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