

# 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; 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: 8.00 Constituents: 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>	LYGWKRGLEPSADAPEPDCGDPPPVAPSRLPLKPVQAATPSRTDPLVLFVESLY SQLGQEVVAILESSRFKYRTEIAPGKGDMP TLTDKGRGRFALI

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

## GENE INFORMATION

**Gene Name** [NDST1 N-deacetylase/N-sulfotransferase \(heparan glucosaminyl\) 1 \[ Homo sapiens \]](#)

**Official Symbol** [NDST1](#)

**Synonyms** NDST1; N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 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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