

## Recombinant Human NDST1 protein, His-tagged

**Cat. No.** NDST1-3940H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human NDST1 protein(38-90 aa), fused to His tag, was expressed in E. coli.                                                                                                                                                                                              |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                               |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 38-90 aa                                                                                                                                                                                                                                                                            |
| <b>Form</b>             | The purified protein was Lyophilized from sterile PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole. |
| <b>AA Sequence</b>      | LYGWKRGLEPSADAEPPDCGDPVAPSRLPLKPVQAATPSRTDPLVLVFVE                                                                                                                                                                                                                                  |
| <b>Purity</b>           | 85%, by SDS-PAGE with Coomassie Brilliant Blue staining.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Short-term storage: Store at 2-8°C for (1-2 weeks).<br>Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.                                                |
| <b>Reconstitution</b>   | Reconstitute at 0.25 µg/µl in 200 µl sterile water for short-term storage.<br>Reconstitution with 200 µl 50% glycerol solution is recommended for longer term storage.                                                                                                              |

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## GENE INFORMATION

|                        |                                                                                                                                                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | NDST1 N-deacetylase/N-sulfotransferase (heparan glucosaminy) 1 [ Homo sapiens ]                                                                                                                                                                                                                                                                                      |
| <b>Official Symbol</b> | NDST1                                                                                                                                                                                                                                                                                                                                                                |
| <b>Synonyms</b>        | NDST1; N-deacetylase/N-sulfotransferase (heparan glucosaminy) 1; HSST; bifunctional heparan sulfate N-deacetylase/N-sulfotransferase 1; NST1; NDST-1; HSNST 1; N-HSST 1; N-heparan sulfate sulfotransferase 1; glucosaminy N-deacetylase/N-sulfotransferase 1; heparan sulfate-N-deacetylase/N-sulfotransferase; [Heparan sulfate]-glucosamine N-sulfotransferase 1; |
| <b>Gene ID</b>         | 3340                                                                                                                                                                                                                                                                                                                                                                 |
| <b>mRNA Refseq</b>     | NM_001543                                                                                                                                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_001534                                                                                                                                                                                                                                                                                                                                                            |
| <b>MIM</b>             | 600853                                                                                                                                                                                                                                                                                                                                                               |
| <b>UniProt ID</b>      | P52848                                                                                                                                                                                                                                                                                                                                                               |

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