

Product datasheet for TP509708

Ndst3 (BC079622) Mouse Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse N-deacetylase/N-sulfotransferase (heparan glucosaminyl) 3 (cDNA clone MGC:90637 IMAGE:30535990),, with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR209708 protein sequence Red =Cloning site Green =Tags(s) |
| | <p>MSFIMKPHRHFRQRTLILLATFCMVSIISAYYLYSGYKQESEVSGRASEVDCGDLQHIPSRLMEVRRTMI SDASRTDPTVLVVFESQYSSLGQDIIMMLESIRFHYHTEIAPGKGDLPALTDNVKGYVLIYENILKYI NMDSWNRSLLDKYCIEYGVGIIGFHKTSEKNLQSFQFRGFPFSISGNLAVKDCCINPHSPLLRTVKSSKL DRGSLPGTDWTVFQINHSTYQPVIFAKVKTPENLSPISKHAFYATIIHDLGLHDGIQRVLFGNLNLFWL HKLIFIDAISFLSGKRLTSLDRYILVDIDDIFVGKEGTRMNTNDVKALLDTQNLRTQITNFTFNLGFS GKFYHTGTEEEDEGDDCLLGSVDEFWWFPHMWSHMQPHLFHNESSLIEQMILNKKFALEHGIPTDMGYAV SPHHSGVYPVHVQLYEAWKKVWNKITSTEEYPHLKPARYRRGFHKNIMVLPRTQCGLFTHITIFYKEYP GGPRELDKSIHGELFFTVLNPISIFMTHLSNYGNDRLGLYTFVNLANFVQWTNLRQLTLPQAQLAHK YFELFPDQKDPLWQNPCDDKRHRDIWSKEKTCDRLPKFLVIGPQKTGTTALCLFLIMHPSILSNSPSPKS FEEVHGFLPSPI</p> <p>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</p> |
| Tag: | C-MYC/DDK |
| Predicted MW: | 73.8 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 |
| 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 after receiving vials. |



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| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| Locus ID: | 83398 |
| UniProt ID: | Q9EQH7 |
| RefSeq Size: | 5317 |
| Cytogenetics: | 3 G1 |
| RefSeq ORF: | 1926 |
| Synonyms: | 4921531K01Rik; 4930511P15Rik; N-HSST 3; NDST-3 |
| Summary: | Essential bifunctional enzyme that catalyzes both the N-deacetylation and the N-sulfation of glucosamine (GlcNAc) of the glycosaminoglycan in heparan sulfate. Modifies the GlcNAc-GlcA disaccharide repeating sugar backbone to make N-sulfated heparosan, a prerequisite substrate for later modifications in heparin biosynthesis. Has high deacetylase activity but low sulfotransferase activity.[UniProtKB/Swiss-Prot Function] |