

Product datasheet for RC217551L1

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NDST3 (NM_004784) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: NDST3 (NM 004784) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: NDST3

Synonyms: HSST3

Mammalian Cell None

Selection:

Vector: pLenti-C-Myc-DDK (PS100064) E. coli Selection: Chloramphenicol (34 ug/mL)

The ORF insert of this clone is exactly the same as(RC217551). **ORF Nucleotide**

Sequence:

Restriction Sites: Sgfl-Mlul

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_004784

ORF Size: 2619 bp





NDST3 (NM_004784) Human Tagged Lenti ORF Clone - RC217551L1

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of

reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing

variants is recommended prior to use. More info

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression

varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube

containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method: 1. Centrifuge at 5,000xg for 5min.

2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.

3. Close the tube and incubate for 10 minutes at room temperature.

4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid

at the bottom.

5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of

shipping when stored at -20°C.

RefSeq: <u>NM 004784.1</u>

 RefSeq Size:
 3188 bp

 RefSeq ORF:
 2622 bp

 Locus ID:
 9348

 UniProt ID:
 095803

Cytogenetics: 4q26

Domains: Sulfotransfer

Protein Families: Transmembrane

Protein Pathways: Heparan sulfate biosynthesis, Metabolic pathways

MW: 100.7 kDa

Gene Summary: This gene encodes a member of the heparan sulfate/heparin GlcNAc N-deacetylase/ N-

sulfotransferase family. The encoded enzyme is a type II transmembrane protein that resides in the Golgi apparatus. This monomeric bifunctional enzyme catalyzes the N-deacetylation and N-sulfation of N-acetylglucosamine residues in heparan sulfate and heparin, which are

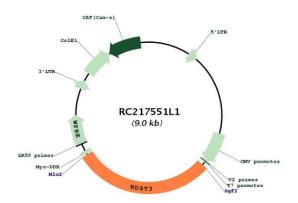
the initial chemical modifications required for the biosynthesis of the functional

oligosaccharide sequences that define the specific ligand binding activities of heparan sulfate

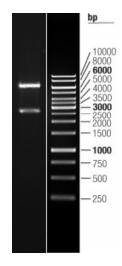
and heparin. [provided by RefSeq, Nov 2008]



Product images:



Circular map for RC217551L1



Double digestion of RC217551L1 using Sgfl and Mlul