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Product datasheet for RC217551L1V

NDST3 (NM_004784) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NDST3 (NM_004784) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NDST3
Synonyms:	HSST3
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_004784
ORF Size:	2619 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC217551).
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.
RefSeq:	NM_004784.1
RefSeq Size:	3188 bp
RefSeq ORF:	2622 bp
Locus ID:	9348
UniProt ID:	O95803
Cytogenetics:	4q26
Domains:	Sulfotransfer
Protein Families:	Transmembrane

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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]