Product datasheet for RC211521L3V

NDST4 (NM_022569) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NDST4 (NM_022569) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NDST4
Synonyms:	N-HSST; N-HSST 4; NDST-4; NHSST4
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_022569
ORF Size:	2616 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211521).
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_022569.1
RefSeq Size:	3359 bp
RefSeq ORF:	2619 bp
Locus ID:	64579
UniProt ID:	Q9H3R1
Cytogenetics:	4q26
Protein Families:	Transmembrane
Protein Pathways:	Heparan sulfate biosynthesis, Metabolic pathways

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MW: 100.5 kDa

Gene 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 low deacetylase activity but high sulfotransferase activity (By similarity).[UniProtKB/Swiss-Prot Function]