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Product datasheet for RC221638L4V

NDST1 (NM_001543) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	NDST1 (NM_001543) Human Tagged ORF Clone Lentiviral Particle
Symbol:	NDST1
Synonyms:	HSST; MRT46; NST1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_001543
ORF Size:	2646 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC221638).
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_001543.3
RefSeq Size:	7913 bp
RefSeq ORF:	2649 bp
Locus ID:	3340
UniProt ID:	P52848
Cytogenetics:	5q33.1
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. The encoded protein catalyzes the transfer of sulfate from 3'-phosphoadenosine 5'-phosphosulfate to nitrogen of glucosamine in heparan sulfate. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Dec 2014]