

Product datasheet for **MR217087L4V**

Ndst3 (NM_031186) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ndst3 (NM_031186) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ndst3
Synonyms:	4921531K01Rik; 4930511P15Rik; N-HSST 3; NDST-3
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_031186
ORF Size:	2619 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR217087).
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_031186.2 , NP_112463.2
RefSeq Size:	5361 bp
RefSeq ORF:	2622 bp
Locus ID:	83398
UniProt ID:	Q9EQH7
Cytogenetics:	3 G1



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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 high deacetylase activity but low sulfotransferase activity.[UniProtKB/Swiss-Prot Function]