

Product datasheet for **MR218546L4V**

Ndst4 (NM_022565) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ndst4 (NM_022565) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Ndst4
Synonyms:	4930439H17Rik
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_022565
ORF Size:	2616 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR218546).
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_022565.2 , NP_072087.2
RefSeq Size:	3489 bp
RefSeq ORF:	2619 bp
Locus ID:	64580
UniProt ID:	Q9EQW8
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 low deacetylase activity but high sulfotransferase activity.[UniProtKB/Swiss-Prot Function]