

## Product datasheet for **MR227419L3V**

### Nos1 (NM\_008712) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Nos1 (NM_008712) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nos1
Synonyms:	2310005C01Rik; bNOS; N-NOS; NC-NOS; nNOS; NO; NOS; Nos-1; NOS-1
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_008712
ORF Size:	4287 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227419).
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. <a href="#">More info</a>
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:	<a href="#">NM_008712.2</a> , <a href="#">NP_032738.1</a>
RefSeq Size:	4388 bp
RefSeq ORF:	4290 bp
Locus ID:	18125
UniProt ID:	<a href="#">Q9Z0J4</a>
Cytogenetics:	5 57.29 cM



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**Gene Summary:**

Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter. Probably has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such SRR. Isoform NNOS Mu may be an effector enzyme for the dystrophin complex.[UniProtKB/Swiss-Prot Function]