

## Product datasheet for MR226653L4V

## OriGene Technologies, Inc.

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## Nos3 (NM\_008713) Mouse Tagged ORF Clone Lentiviral Particle

**Product data:** 

Product Type: Lentiviral Particles

**Product Name:** Nos3 (NM\_008713) Mouse Tagged ORF Clone Lentiviral Particle

Symbol: Nos3

Synonyms: 2310065A03Rik; ecNOS; eNOS; Nos-3

Mammalian Cell

Selection:

Puromycin

**Vector:** pLenti-C-mGFP-P2A-Puro (PS100093)

Tag: mGFP

**ACCN:** NM\_008713 **ORF Size:** 3606 bp

**ORF Nucleotide** 

The ORF insert of this clone is exactly the same as(MR226653).

Sequence:

**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.

**RefSeg:** NM 008713.4, NP 032739.3

 RefSeq Size:
 4140 bp

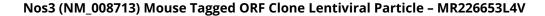
 RefSeq ORF:
 3609 bp

 Locus ID:
 18127

 UniProt ID:
 P70313

**Cytogenetics:** 5 11.32 cM







## **Gene Summary:**

Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets. May play a significant role in normal and abnormal limb development.[UniProtKB/Swiss-Prot Function]