

Product datasheet for **MR211798L4V**

Nos3 (BC052636) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nos3 (BC052636) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nos3
Synonyms:	eNOS, ecNOS
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	BC052636
ORF Size:	3606 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR211798).
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:	BC052636.1
RefSeq Size:	3982 bp
RefSeq ORF:	3608 bp
Locus ID:	18127
Cytogenetics:	5 11.32 cM



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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]