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Product datasheet for MR211704L4V

Nos2 (NM_010927) Mouse Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Nos2 (NM_010927) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Nos2
Synonyms:	i-NOS; iNOS; MAC-NOS; N; No; Nos-2; NOS-II; Nos2a
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_010927
ORF Size:	3432 bp
ORF Nucleotide Sequence:	`The ORF insert of this clone is exactly the same as(MR211704).`
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. 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_010927.3
RefSeq Size:	3990 bp
RefSeq ORF:	3435 bp

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Locus ID:	18126
UniProt ID:	P29477
Cytogenetics:	11 46.74 cM
Gene Summary:	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase that is inducible by a combination of lipopolysaccharide and certain cytokines. Three transcript variants encoding two different isoforms have been found for this gene. [provided by RefSeq, Sep 2015]