

Product datasheet for **RC211819L4V**

iNOS (NOS2) (NM_000625) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	iNOS (NOS2) (NM_000625) Human Tagged ORF Clone Lentiviral Particle
Symbol:	iNOS
Synonyms:	HEP-NOS; INOS; NOS; NOS2A
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_000625
ORF Size:	3459 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211819).
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_000625.3
RefSeq Size:	4221 bp
RefSeq ORF:	3462 bp
Locus ID:	4843
UniProt ID:	P35228
Cytogenetics:	17q11.2
Protein Families:	Druggable Genome



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Protein Pathways: Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Arginine and proline metabolism, Calcium signaling pathway, Long-term depression, Metabolic pathways, Pathways in cancer, Small cell lung cancer

MW: 130.9 kDa

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 which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]