**OriGene Technologies, Inc.**
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

# Product datasheet for RC211819L3V

## 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-Myc-DDK-P2A-Puro (PS100092) |
| **Tag:** | Myc-DDK |
| **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 |

View online »

| | |
|---|---|
| **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] |