

## Product datasheet for RC228503L3V

## OriGene Technologies, Inc.

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## eNOS (NOS3) (NM\_001160110) Human Tagged ORF Clone Lentiviral Particle

**Product data:** 

**Product Type:** Lentiviral Particles

**Product Name:** eNOS (NOS3) (NM\_001160110) Human Tagged ORF Clone Lentiviral Particle

Symbol: NOS3

Synonyms: ECNOS; eNOS

Mammalian Cell

Puromycin

Selection:

Vector:

pLenti-C-Myc-DDK-P2A-Puro (PS100092)

Tag: Myc-DDK

**ACCN:** NM\_001160110

ORF Size: 1842 bp

**ORF Nucleotide** 

OTI Disclaimer:

The ORF insert of this clone is exactly the same as(RC228503).

Sequence:

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 001160110.1, NP 001153582.1

 RefSeq ORF:
 1845 bp

 Locus ID:
 4846

 UniProt ID:
 P29474

 Cytogenetics:
 7q36.1

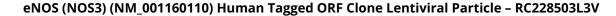
Protein Families: Druggable Genome

**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, VEGF signaling pathway





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**MW:** 67.7 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. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. Variations in this gene are associated with susceptibility to coronary spasm. Alternative splicing and the use of alternative

promoters results in multiple transcript variants. [provided by RefSeq, Oct 2016]