

Product datasheet for **RC230282L4V**

NOSTRIN (NM_001171631) Human Tagged ORF Clone Lentiviral Particle

Product data:

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| Product Type: | Lentiviral Particles |
| Product Name: | NOSTRIN (NM_001171631) Human Tagged ORF Clone Lentiviral Particle |
| Symbol: | NOSTRIN |
| Synonyms: | DaIP2 |
| Mammalian Cell Selection: | Puromycin |
| Vector: | pLenti-C-mGFP-P2A-Puro (PS100093) |
| Tag: | mGFP |
| ACCN: | NM_001171631 |
| ORF Size: | 1689 bp |
| ORF Nucleotide Sequence: | The ORF insert of this clone is exactly the same as(RC230282). |
| 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_001171631.1 , NP_001165102.1 |
| RefSeq ORF: | 1692 bp |
| Locus ID: | 115677 |
| UniProt ID: | Q8IV19 |
| Cytogenetics: | 2q24.3 |
| MW: | 64.8 kDa |



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Gene Summary:

Nitric oxide (NO) is a potent mediator in biologic processes such as neurotransmission, inflammatory response, and vascular homeostasis. NOSTRIN binds the enzyme responsible for NO production, endothelial NO synthase (ENOS; MIM 163729), and triggers the translocation of ENOS from the plasma membrane to vesicle-like subcellular structures, thereby attenuating ENOS-dependent NO production.[supplied by OMIM, Apr 2004]