

## Recombinant Rat Nos2 protein, His-tagged

**Cat. No.** Nos2-7800R    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                     |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Rat Nos2 aa. (Ala518~Arg694 (Accession # Q06518)) fused with N-terminal His tag was produced in E. coli cells.                                                                                                                                                                                                          |
| <b>Species</b>          | Rat                                                                                                                                                                                                                                                                                                                                 |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | Ala518~Arg694                                                                                                                                                                                                                                                                                                                       |
| <b>Description</b>      | Cytokine-inducible enzyme involved in nitric oxide (NO) production.                                                                                                                                                                                                                                                                 |
| <b>Form</b>             | Freeze-dried powder                                                                                                                                                                                                                                                                                                                 |
| <b>Molecular Mass</b>   | Predicted Molecular Mass: 23.3kDa                                                                                                                                                                                                                                                                                                   |
| <b>Endotoxin</b>        | <1.0EU per 1g (determined by the LAL method)                                                                                                                                                                                                                                                                                        |
| <b>Purity</b>           | >97%                                                                                                                                                                                                                                                                                                                                |
| <b>Applications</b>     | Positive Control; Immunogen; SDS-PAGE; WB.                                                                                                                                                                                                                                                                                          |
| <b>Stability</b>        | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |

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|                       |                                                                                                            |
|-----------------------|------------------------------------------------------------------------------------------------------------|
| <b>Storage</b>        | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| <b>Storage buffer</b> | PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.                                    |
| <b>Reconstitution</b> | Reconstitute in PBS or others.                                                                             |

## GENE INFORMATION

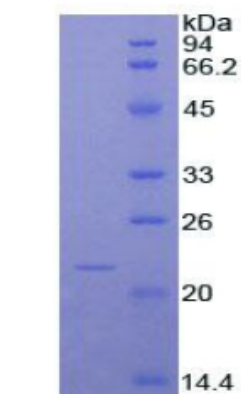
|                        |                                                                                                                                                                                                                                                        |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | Nos2 nitric oxide synthase 2 [ Rattus norvegicus (Norway rat) ]                                                                                                                                                                                        |
| <b>Official Symbol</b> | Nos2                                                                                                                                                                                                                                                   |
| <b>Synonyms</b>        | Nos2; nitric oxide synthase 2; iNos; Nos2a; nitric oxide synthase, inducible; NOS type II; inducible NO synthase; inducible NOS; inducible nitric oxide synthase; nitric oxide synthase 2, inducible, macrophage; peptidyl-cysteine S-nitrosylase NOS2 |
| <b>Gene ID</b>         | 24599                                                                                                                                                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_012611.3                                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>  | NP_036743.3                                                                                                                                                                                                                                            |
| <b>UniProt ID</b>      | Q06518                                                                                                                                                                                                                                                 |

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## SDS-PAGE



15% SDS-PAGE

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