

Recombinant Rat Nos3 protein, His-tagged

Cat. No. Nos3-7860R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Nos3 aa. (Ala519~Phe702 (Accession # Q62600)) fused with N-terminal His tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Ala519~Phe702
Description	Enzyme that synthesizes Nitric oxide from L-arginine.
Form	Freeze-dried powder
Molecular Mass	23kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 6.1.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

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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.

Storage

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

Storage buffer

Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name

Nos3 nitric oxide synthase 3 [*Rattus norvegicus* (Norway rat)]

Official Symbol

Nos3

Synonyms

Nos3; nitric oxide synthase 3; eNos; nitric oxide synthase, endothelial; EC-NOS; NOS type III; NOSIII; cNOS; constitutive NOS; endothelial NOS; endothelial nitric oxide synthase 3; nitric oxide synthase 3, endothelial cell

Gene ID

24600

mRNA Refseq

NM_021838.2

Protein Refseq

NP_068610.1

UniProt ID

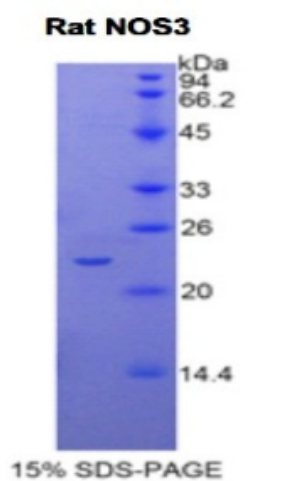
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SDS-PAGE



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