

Recombinant Mouse Nos2 protein, His-tagged

Cat. No. Nos2-7798M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nos2 aa. (Val526~Gln659 (Accession # P29477)) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Val526~Gln659
Description	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 that is inducible by a combination of lipopolysaccharide and certain cytokines. Three transcript variants encoding two different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	16 kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.8.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	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.
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 liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	Nos2 nitric oxide synthase 2, inducible [<i>Mus musculus</i> (house mouse)]
Official Symbol	Nos2
Synonyms	Nos2; nitric oxide synthase 2, inducible; iNOS; Nos-2; Nos2a; i-NOS; NOS-II; MAC-NOS; nitric oxide synthase, inducible; NOS type II; inducible NO synthase; inducible NOS; inducible nitric oxide synthase; macrophage NOS; nitric oxide synthase 2, inducible, macrophage; peptidyl-cysteine S-nitrosylase NOS2
Gene ID	18126
mRNA Refseq	NM_001313921.1
Protein Refseq	NP_001300850.1

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