Recombinant Mouse Nos2 protein, His-tagged

Cat. No. Nos2-7799M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Nos2 aa. (Ser868~Asp909) fused with N-terminal His tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	Ser868~Asp909
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	10kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 7.8.

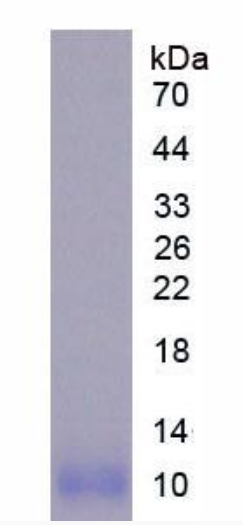
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Applications	SDS-PAGE; WB; ELISA; IP; CoIP; Purification; Amine Reactive Labeling
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.
Concentration	200μg/mL
Storage buffer	PBS, pH7.4, containing 1mM DTT, 5% trehalose, 0.01% sarcosyl and Proclin300
Reconstitution	Reconstitute in PBS (pH7.4) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	Nos2 nitric oxide synthase 2, inducible [Mus musculus (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

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Protein Refseq	NP_001300850.1
UniProt ID	P29477
SDS-PAGE	

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