Recombinant Mouse Nos2 Protein

Cat. No. Nos2-65M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mouse Nos2 protein without tag was expressed in E. coli.
Species	Mouse
Source	E.coli
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.
Molecular Mass	130 kDa
Purity	100,000 x g supernatant
Unit Definition	One unit of enzyme produces 1 nmol of nitric oxide per minute at 37 centigrade in 50 mM HEPES, pH 7.4, containing 1 mM arginine, 1 mM magnesium acetate, 0.15 mM NADPH, 4.5 μM oxyhemoglobin, 18 μM tetrahydrobiopterin, and 180 μM DTT.
Stability	≥ 6 months
Storage	Store it at -80 centigrade
Storage Buffer	50 mM HEPES, pH 7.4, with 10% glycerol, 8 μM BH4, 2% protease inhibitor cocktail

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

	(EDTA free), and 0.05% nulcease

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
Protein Refseq	NP_001300850
UniProt ID	P29477

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