

Recombinant Human NOS2 protein, His & T7-tagged

Cat. No. NOS2-7796H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOS2 aa. (Thr734~Gly966 (Accession # P35228)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Thr734~Gly966
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 which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.7kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.2.

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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 [Homo sapiens (human)]
Official Symbol	NOS2
Synonyms	NOS2; nitric oxide synthase 2; NOS; INOS; NOS2A; HEP-NOS; nitric oxide synthase, inducible; NOS, type II; hepatocyte NOS; inducible NO synthase; inducible NOS; nitric oxide synthase 2, inducible; nitric oxide synthase 2A (inducible, hepatocytes); nitric oxide synthase, macrophage; peptidyl-cysteine S-nitrosylase NOS2
Gene ID	4843
mRNA Refseq	NM_000625.4
Protein Refseq	NP_000616.3

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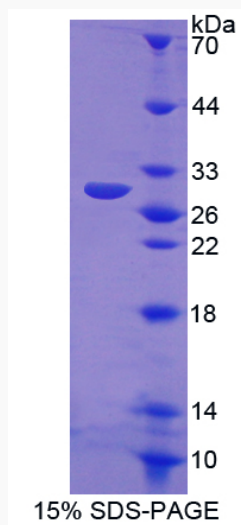
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UniProt ID

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SDS-PAGE

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