

Recombinant Human NOS2 Protein, His-tagged

Cat. No. NOS2-2497H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOS2 Protein (Met1-Glu504) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Met1-Glu504
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: 61.7 kDa Accurate Molecular Mass: 62 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 90%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
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 centigrade 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 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in ddH2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

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

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Protein Refseq NP_000616

MIM 163730

UniProt ID P35228



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