

Recombinant Human NOS2 protein, His-tagged

Cat. No. NOS2-2768H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOS2 protein(240-480 aa), fused with N-terminal His tag, was expressed in E.coli.
Species	Human
Source	E.coli
ProteinLength	240-480 aa
Form	The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole.
AASequence	IRSAITVFPQRS DGKHDFRVWNAQLIRYAGYQMPDGSIRGDPANVEFTQLCIDLGWK PKYGRFDVVPLVLQANGRDPELFEIPDLVLEVAMEHPKYEWFRELELKWYALPAV ANMLLEVGGLEFPGCPFNGWYMGTEIGVRDFCDVQRYNILEEVGRRMGLETHKLA SLWKDQAVVEINIAVLHSFQKQNVTIMDHHSAAESFMKYMQNEYRSRGGCPADWI WLVPPMSGSITPVFHQEM
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 12 months, reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

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Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION
Gene Name

NOS2 nitric oxide synthase 2, inducible [Homo sapiens]

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

Protein Refseq

NP_000616

MIM

163730

UniProt ID

P35228

SDS-PAGE

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