

Recombinant Human NOS2 Protein, GST-tagged

Cat. No. NOS2-5992H **Lot. No.** (See product label)

SPECIFICATION

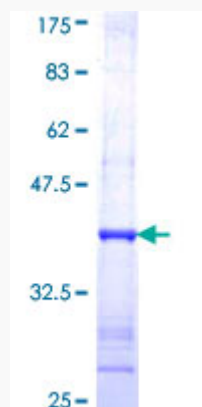
Product Overview	Human NOS2A partial ORF (NP_000616, 685 a.a. - 794 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial 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. [provided by RefSeq]
Molecular Mass	37.84 kDa
AA Sequence	DVRGKQHIQIPKLYTSNVTWDPHHYRLVQDSQPLDLSKALSSMHAKNVFTMRLKSR QNLQSPTSSRATILVELSCEDGQGLNYLPGEHLGVCPGNQPALVQGILERVVDG
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.

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Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
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

Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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