

Recombinant Human NOS1 Protein, GST-tagged

Cat. No. NOS1-5989H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NOS1 partial ORF (NP_000611, 1041 a.a. - 1150 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. Nitric oxide is synthesized from L-arginine by nitric oxide synthases. This gene encodes a nitric oxide synthase which is highly expressed in skeletal muscle. Genetic variations in this gene are associated with infantile hypertrophic pyloric stenosis type 1
Molecular Mass	37.84 kDa
AA Sequence	FPGNHEDLVNALIERLEDAPPVNQMVKVELLEERN TALGVISNWTDELRLPPCTIFQAFKYYLDITTPPTPLQLQQFASLATSEKEKQRLLVLSKGLQEYEEWKWGKNPT
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.

 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

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 NOS1 nitric oxide synthase 1 (neuronal) [Homo sapiens]

Official Symbol NOS1

Synonyms NOS1; nitric oxide synthase 1 (neuronal); NOS; nitric oxide synthase, brain; nNOS; NOS type I; neuronal NOS; constitutive NOS; peptidyl-cysteine S-nitrosylase NOS1; bNOS; IHPS1; N-NOS; NC-NOS;

Gene ID 4842

mRNA Refseq NM_000620

Protein Refseq NP_000611

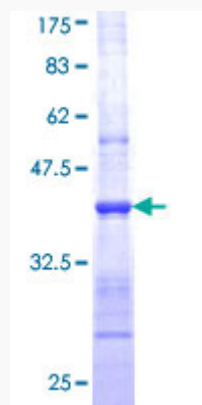
MIM 163731

UniProt ID P29475

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Quality Control**Testing:**

12.5% SDS-PAGE Stained with Coomassie Blue.

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