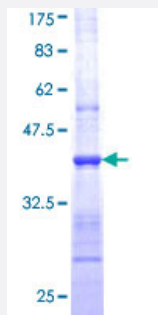


NOS1 (Human) Recombinant Protein (Q01)

Catalog # H00004842-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human NOS1 partial ORF (NP_000611, 1041 a.a. - 1150 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	FPGNHEDLVNALIERLEDAPPVNQMVKVELLEERNTALGVISNWTDELRLPPCTIFQAFKYLDITT PPTPLQLQQFASLATSEKEKQRLVLVSKGLQEYEEWKWGKNPT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.84
Interspecies Antigen Sequence	Mouse (94)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — NOS1

Entrez GeneID	4842
GeneBank Accession#	NM_000620
Protein Accession#	NP_000611
Gene Name	NOS1
Gene Alias	IHPS1, NOS, nNOS
Gene Description	nitric oxide synthase 1 (neuronal)
Omim ID	163731 179010
Gene Ontology	Hyperlink
Gene Summary	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
Other Designations	neuronal nitric oxide synthase

Pathway

- [Amyotrophic lateral sclerosis \(ALS\)](#)
- [Arginine and proline metabolism](#)
- [Calcium signaling pathway](#)

- [Long-term depression](#)
- [Metabolic pathways](#)
- [Pathways in cancer](#)
- [Small cell lung cancer](#)

Disease

- [Acute Disease](#)
- [Alcoholism](#)
- [alpha 1-Antitrypsin Deficiency](#)
- [Alpha-1-antitrypsin deficiency](#)
- [Alzheimer disease](#)
- [Anemia](#)
- [Asthma](#)
- [Attention](#)
- [Attention Deficit Disorder with Hyperactivity](#)
- [Autistic Disorder](#)
- [beta-Thalassemia](#)
- [Bipolar Disorder](#)
- [Birth Weight](#)
- [Brain Neoplasms](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Chest Pain](#)

- [Chronic Disease](#)
- [Cluster Headache](#)
- [Cognition](#)
- [Cognition Disorders](#)
- [Colitis](#)
- [Constipation](#)
- [Coronary Disease](#)
- [Cystic fibrosis](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Diabetic Nephropathies](#)
- [Diabetic Neuropathies](#)
- [Dyskinesia](#)
- [Edema](#)
- [Esophageal Achalasia](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Infant](#)
- [Leukemia](#)
- [Lung Neoplasms](#)
- [Lymphoma](#)
- [Malignant melanoma](#)

- [Melanoma](#)
- [Memory](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Mental Disorders](#)
- [Migraine Disorders](#)
- [Multiple Sclerosis](#)
- [Nephrosis](#)
- [Neuropsychological Tests](#)
- [Occupational Diseases](#)
- [Parkinson disease](#)
- [Personality Disorders](#)
- [Postmortem Changes](#)
- [Pseudomonas Infections](#)
- [Psychometrics](#)
- [Psychomotor Performance](#)
- [Pulmonary Disease](#)
- [Pyloric Stenosis](#)
- [Respiratory Hypersensitivity](#)
- [Respiratory Syncytial Virus Infections](#)
- [Restless Legs Syndrome](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Skin Neoplasms](#)
- [Spinal Dysraphism](#)
- [Syndrome](#)

- [Thalassemia](#)
- [Tobacco Use Disorder](#)