

# Recombinant Human NOS3 Protein, GST-tagged

**Cat. No.** NOS3-5993H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|-------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human NOS3 partial ORF ( AAH63294.1, 61 a.a. - 160 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                   |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | 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. Variations in this gene are associated with susceptibility to coronary spasm. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq |
| <b>Molecular Mass</b>   | 36.63 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | QPPEGPKFPRVKNWEVGSITYDTLSAQAQQDGPCTPRRCLGSLVFPRKLQGRPSP<br>GPPAPEQLLSQARDFINQYYSSIKRSGSQAHEQRLQEVEAEVAAT                                                                                                                                                                                                                                                                                                                                   |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array                                                                                                                                                                                                                                                                                                                          |
| <b>Notes</b>            | 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](mailto: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** NOS3 nitric oxide synthase 3 (endothelial cell) [ Homo sapiens ]

**Official Symbol** NOS3

**Synonyms** NOS3; nitric oxide synthase 3 (endothelial cell); nitric oxide synthase, endothelial; ECNOS; endothelial nitric oxide synthase; eNOS; cNOS; EC-NOS; NOSIII; NOS type III; endothelial NOS; constitutive NOS;

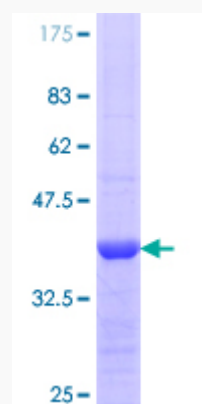
**Gene ID** 4846

**mRNA Refseq** NM\_000603

**Protein Refseq** NP\_000594

**UniProt ID** P29474

**Quality Control Testing:**



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12.5% SDS-PAGE Stained with Coomassie Blue.

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