

## Recombinant Mouse Nos3 Protein, Myc/DDK-tagged

Cat. No. Nos3-4462M Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Purified recombinant protein of mouse full-length nitric oxide synthase 3, endothelial cell (cDNA clone MGC:58949 IMAGE:6530765), complete cds, with C-terminal MYC/DDK tag, expressed in HEK293T cells.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>Description</b>	Produces nitric oxide (NO) which is implicated in vascular smooth muscle relaxation through a cGMP-mediated signal transduction pathway. NO mediates vascular endothelial growth factor (VEGF)-induced angiogenesis in coronary vessels and promotes blood clotting through the activation of platelets. May play a significant role in normal and abnormal limb development.
<b>Molecular Mass</b>	146 kDa
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade after receiving vials.
<b>Concentration</b>	>50 µg/mL as determined by microplate BCA method

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**Storage Buffer** 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

## GENE INFORMATION

**Gene Name** [Nos3 nitric oxide synthase 3, endothelial cell \[ Mus musculus \(house mouse\) \]](#)

**Official Symbol** [Nos3](#)

**Synonyms** Nos3; nitric oxide synthase 3, endothelial cell; e; No; ec; eNOS; Nos-3; ecNOS; 2310065A03Rik; nitric oxide synthase, endothelial; EC-NOS; NOS type III; NOSIII; cNOS; constitutive NOS; endothelial NOS; endothelial nitric oxide synthase; EC 1.14.13.39

**Gene ID** [18127](#)

**mRNA Refseq** [NM\\_008713](#)

**Protein Refseq** [NP\\_032739](#)

**UniProt ID** [P70313](#)

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