Recombinant Mouse Nos3 Protein, Myc/DDK-tagged

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

SPECIFICATION

Product Overview	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.
Species	Mouse
Source	HEK293
Description	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.
Molecular Mass	146 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>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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