

## Recombinant Human NOS3 cell lysate

Cat. No. NOS3-1206HCL Lot. No. (See product label)

### SPECIFICATION

**Species**

Human

**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. Variations in this gene are associated with susceptibility to coronary spasm. Multiple transcript variants encoding different isoforms have been found for this gene.

**Size**

100 ul

**Storage Buffer**

1X Sample Buffer (50 mM Tris-HCl, 2% SDS, 10% glycerol, 300 mM 2-mercaptoethanol, 0.01% Bromophenol blue)

**Applications**

Western Blot;

### 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;

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<b>Gene ID</b>	4846
<b>mRNA Refseq</b>	NM_000603
<b>Protein Refseq</b>	NP_000594
<b>UniProt ID</b>	P29474
<b>Chromosome Location</b>	7q36
<b>Pathway</b>	ACE Inhibitor Pathway, organism-specific biosystem; Angiotensin receptor Tie2-mediated signaling, organism-specific biosystem; Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; Calcium signaling pathway, organism-specific biosystem; Calcium signaling pathway, conserved biosystem; Hemostasis, organism-specific biosystem;
<b>Function</b>	FMN binding; NADP binding; actin monomer binding; arginine binding; cadmium ion binding; calmodulin binding; flavin adenine dinucleotide binding; heme binding; metal ion binding; nitric-oxide synthase activity; oxidoreductase activity; protein binding; tetrahydrobiopterin binding;

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