

Recombinant Human NOS3 cell lysate

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

SPECIFICATION

Product Overview

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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Gene ID	4846
mRNA Refseq	NM_000603
Protein Refseq	NP_000594
UniProt ID	P29474
Chromosome Location	7q36
Pathway	ACE Inhibitor Pathway, organism-specific biosystem; Angiopoietin 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;
Function	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;