

Recombinant Human NOS3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. NOS3-6567H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NOS3 MS Standard C13 and N15-labeled recombinant protein (NP_000594) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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. Alternative splicing and the use of alternative promoters results in multiple transcript variants.
Molecular Mass	133.3 kDa
AA Sequence	MGNLKSVAQEPGPPCGLGLGLGLGLCGKQGPATPAPEPSRAPASLLPPAPEHSPP SSPLTQPPEGPKFPRVKNWEVGSITYDTLSAQAQDGPCTPRRCLGSLVFPRKLQG RPSPGPPAPEQLLSQARDFINQYYSSIKRSGSQAHEQRLQEVEAEVAATGTYYQLRE SELVFGAKQAWRNAPRCVGRIQWGKLQVFDARDCRSAQEMFTYICNHIKYATNRG NLRSATVFPQRCPRGRGDFRIWNSQLVRYAGYRQQDGSVRGDPANVEITELCIQHG WTPGNGRFDVLPDLLQAPDDPPELFLPPPELVLEVPLEHPTLEWFAALGLRWYALPA VSNMLLEIGGLEFPAAPFSGWYMSTEIGTRNLCDPHRYNILEDVAVCMDLDTTRTTSS LWKDKAAVEINVAVLHSYQLAKVTIVDHAATASFMKHLENEQKARGGCPADWAWI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

VPPISGSLTPVFHQEMVNYFLSPAIFYQPDWPWGSAKGTGITRKKTFKEVANAVKI
 SASLMGTVMKRVKATILYGSETGRAQSYAQQLGRLFRKAFDPRVLCMDEYDVVSL
 EHETLVLVVTSTFGNGDPPENGESFAAALMEMSGPYNSSPRPEQHKSYKIRFNSISC
 SDPLVSSWRRKRKESNTDSAGALGTLRFCVFGGLGSRAYPHFCFAFARAVDTRLEEL
 GGERLLQLGQGDELQEEAFRGWAQAAQAAACETFCVGEDAKAAAARDIFSPKRS
 WKQRQYRLSAQAEGQLLPGLIHVHRRKMFQATIRSVENLQSSKSTRATILVRLDTG
 GQEGQLQYQPGDHIGVCPNRPGLVEALLSRVEDPPAPTEPVAVEQLEKGSPPGPP
 PGWVRDPRLPCTLRQALTFFLDITSPSPQLLRLLSTLAEPPREQQELEALSQDPR
 RYEEWKWFRCPPTLLEVLEQFPSVALPAPLLLTQLPLLQPRYYSVSSAPSTHPGEIHL
 TVAVLAYRTQDGLGPLHYGVCSTWLSQLKPGDPVPCFIRGAPSFRLPPDPSPILV
 GPGTGIAPFRGFQERLHDIESKGLQPTPMTLVFGCRCSQLDHLRDEVQNAQQR
 GVFGRLTAFSREPDNPITYVQDILRTELAAEVHRLCLERGHMFVCGDVTMATNV
 LQTVQRILATEGDMELDEAGDVIGVLRDQQRHYHEDIFGLTLRTQEVTSRIRTQSFSLQ
 ERQLRGAVPWAFDPPGSDTNSPTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Stability

Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage

Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration

50 µg/mL as determined by BCA

Storage Buffer

100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name

NOS3 nitric oxide synthase 3 [Homo sapiens (human)]

Official Symbol

NOS3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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
MIM	163729
UniProt ID	P29474
SDS-PAGE	