

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	<p>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.</p>
Molecular Mass	133.3 kDa
AA Sequence	<p>MGNLKSVAQEPGPPCGLGLGLGLGLCGKQGPATPAPEPSRAPASLLPPAPEHSPP SSPLTQPPEGPKFPRVKNWEVGSITYDTLSAQAQQDGPCTPRRCLGSLVFPRKLQG RPSGPPAPEQLLSQARDFINQYSSIKRSGSQAHEQRLQEVEAEVAATGTYQLRE SELVFGAKQAWRNAPRCVGRIQWGKLVFDARDCRSAQEMFTYICNHIKYATNRG NLRSAITVFPQRCPRGRGDFRIWNSQLVRYAGYRQQDGSVRGDPANVEITELCIQH WTPGNGRFDVLP LLLQAPDDPELFLLPPELVLEVPLEHPTLEWFAALGLRWYALPA VSNMLLEIGGLEFPAAPFSGWYMSTEIGTRNLCDPHRYNILEDVAVCMDLDRTRTSS LWKDKAAVEINVAVLHSYQLAKVTIVDHAATASFMKHLENEQKARGGCPADWAWI</p>

 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

VPPISGSLTPVFHQEMVNYFLSPAFLRYQPDPWKGSAAKGTGITRKKTFKEVANAVKI
 SASLMGTVMAKRVKATILYGSETGRAQSYAQQLGRLFRKAFDPRVLCMDEYDVVSL
 EHETLVLVVTSTFGNGDPPENGESFAAALMEMSGPYNSSPRPEQHKSYPKIRFNSISC
 SDPLVSSWRRKRKESNTDSAGALGTLRFVFLGSRAYPHFCFAFARAVDTRLEEL
 GGERLLQLGQGDELQEEAFRGWAQAAFQAACETFCVGEDAKAAARDIFSPKRS
 WKRQRYRLSAQAEGQLLPGLIHVHRRKMFQATIRSVENLQSSKSTRATILVRLDTG
 GQEGLQYQPGDHIGVCPNRPGLVEALLSRVEDPPAPTEPVAVEQLEKGSPPGPP
 PGWVRDPRPCTLRQALTFDITSPSPQLLRLLSTLAEPPREQQELEALSQDPR
 RYEEWKWFRCPPTLLEVLEQFPSVALPAPLLLTLPLLPQRYYSVSSAPSTHPGEIHL
 TVAVLAYRTQDGLGPHYGVCSWLSQLKPGDPVPCFIRGAPSFRLPPDPSLPCILV
 GPGTGIAPFRGFQERLHDIESKGLQPTPMTLVFGCRCSQLDHLRDEVQNAQQR
 GVFGRLTAFSREPDNPPTYVQDILRTELAAEVHRVLCCLERGHMFVCGDVTMATNV
 LQTVQRILATEGDMELDEAGDVIGVLRDQQRYHEDIFGLTLRTQEVTSRIRTQSFSLQ
 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)]

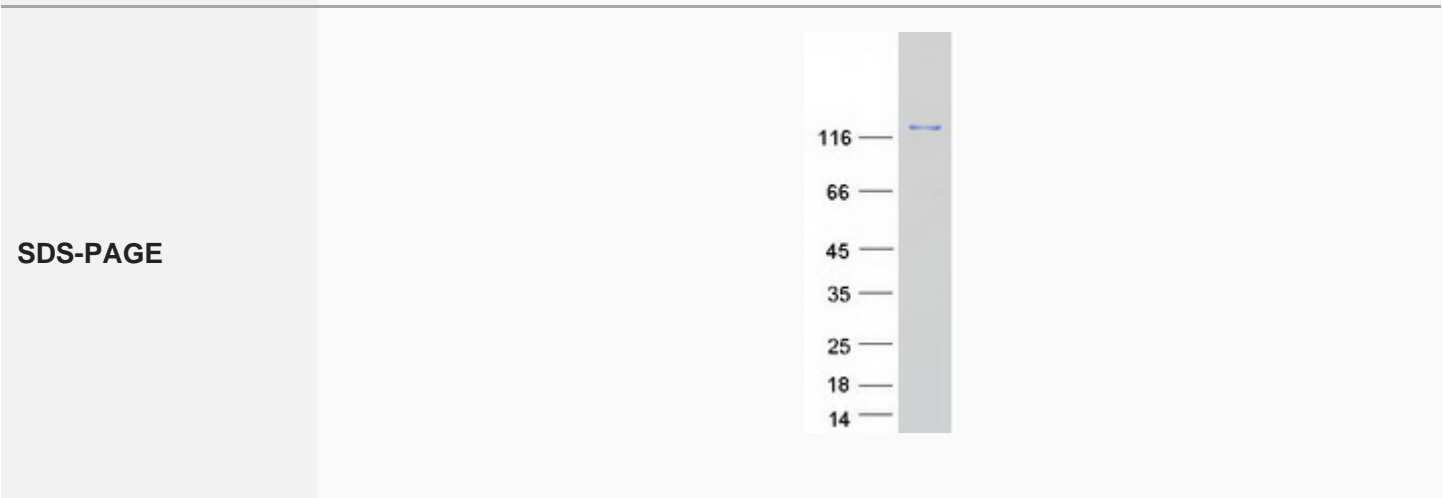
Official Symbol NOS3

 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



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