

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

Cat. No. NOSTRIN-548H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	NOSTRIN MS Standard C13 and N15-labeled recombinant protein (NP_001034813) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Nitric oxide (NO) is a potent mediator in biologic processes such as neurotransmission, inflammatory response, and vascular homeostasis. NOSTRIN binds the enzyme responsible for NO production, endothelial NO synthase (ENOS), and triggers the translocation of ENOS from the plasma membrane to vesicle-like subcellular structures, thereby attenuating ENOS-dependent NO production.
Molecular Mass	57.7 kDa
AA Sequence	MRDPLTDCPYNKVYKNLKEFSQNGENFCKQVTSVLQQRANLEISYAKGLQKLASKL SKALQNTRKSCVSSAWAWASEGMKSTADLHQKLGKAIKPTQVLNVQEKKR KSLDNEVEKTANLVISNWNQIQAKKKLMVSTKKHEALFQLVESSKQSMTEKEKRKL LNKLTKESTEKLEKEDENYYQKNMAGYSTRLKWENTLENCYQSILELEKERIQLLCNN LNQYSQHISLFGQTLTTCHTQIHCAISKIDIEKDIQAVMEETAILSTENKSEFLTLDYFE EDPNSAMDKERRKSLLKPKLLRLQRDIEKASKDKEGLERMLKTYSSSTSSFSDAKSQK DTAALMDENNLKLDLLEANSYKLSSMLAELEQRPQPSHPCSNISIFRWREKEHSHSY VKISRPFLMKRLENIVSKASSGGQSNPGSSTPAPGAAQLSSRLCKALYSFQARQDD

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ELNLEKGDIVIIHEKKEEGWWFGSLNGKKGHFPAAYVEELPSNAGNTATKATRTRPL
EQKLISEEDLAANDILDYKDDDDKV

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 NOSTRIN nitric oxide synthase trafficker [Homo sapiens (human)]

Official Symbol NOSTRIN

Synonyms NOSTRIN; nitric oxide synthase trafficker; nostrin; MGC20702; BM247 homolog; ENOS traffic inducer; eNOS-trafficking inducer; nitric oxide synthase trafficking; nitric oxide synthase traffic inducer; endothelial nitric oxide synthase traffic inducer; ortholog of mouse disabled 2 interacting protein 2; DaIP2;

Gene ID 115677

mRNA Refseq NM_001039724

Protein Refseq NP_001034813

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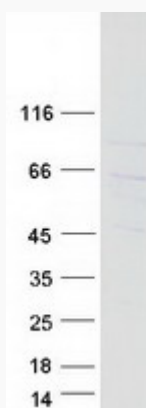
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MIM 607496

UniProt ID Q8IV19

SDS-PAGE



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