

Recombinant Full Length Human NOSTRIN Protein, GST-tagged

Cat. No. NOSTRIN-6714HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NOSTRIN full-length ORF (NP_001034813.1, 1 a.a. - 506 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	506 amino acids
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; MIM 163729), and triggers the translocation of ENOS from the plasma membrane to vesicle-like subcellular structures, thereby attenuating ENOS-dependent NO production.[supplied by OMIM
Molecular Mass	84.1 kDa
AA Sequence	MRDPLTDCPYNKVYKNLKEFSQNGENFCKQVTSVLQQRANLEISYAKGLQKLASKL SKALQNTRKSCVSSAWAWASEGMKSTADLHQKLGKAIIELEAIKPTYQVLNVQEKKR KSLDNEVEKTANLVISNWNQQIKAKKKLMVSTKKHEALFQLVESSKQSMTEKEKRKL LNKLTKESTEKLEKEDENYYQKNMAGYSTRLKWENTLENCYQSILELEKERIQLLCNN LNQYSQHISLFGQTLTTCHTQIHCAISKIDIEKDIQAVMEETAILSTENKSEFLLTDYFE EDPNSAMDKERRKSLLKPKLLRLQRDIEKASKDKEGLERMLKTYSSSTSSFSDAKSQK

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DTAALMDENNLKLDLLEANSYKLSSMLAELEQRPQPSHPCSNSIFRWREKEHTHSY
VKISRPFLMKRLLENIVSKASSGGQSNPGSSTPAPGAAQLSSRLCKALYSFQARQDD
ELNLEKGDIVIIHEKKEEGWWFGSLNGKKGHFPAAYVEELPSNAGNTATKA

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

NOSTRIN nitric oxide synthase trafficker [Homo sapiens]

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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MIM	607496
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UniProt ID	Q8IV19
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