Recombinant Human NOSTRIN protein, His & T7-tagged

Cat. No. NOSTRIN-630H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human NOSTRIN aa. (Lys18~Ala251 (Accession # Q8IVI9)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Lys18~Ala251
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.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.5kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.5.

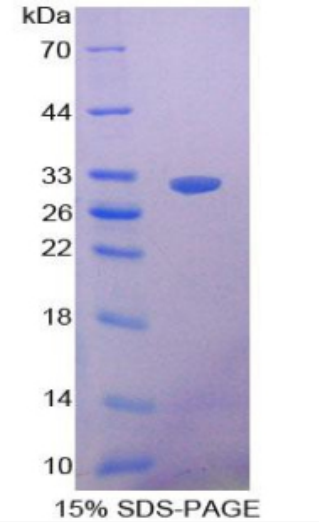
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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	NOSTRIN nitric oxide synthase trafficking [Homo sapiens (human)]
Official Symbol	NOSTRIN
Synonyms	NOSTRIN; nitric oxide synthase trafficking; DaIP2; nostrin; BM247 homolog; ENOS traffic inducer; eNOS-trafficking inducer; endothelial nitric oxide synthase traffic inducer; nitric oxide synthase traffic inducer; nitric oxide synthase trafficker; ortholog of mouse disabled 2 interacting proein 2
Gene ID	115677
mRNA Refseq	NM_001039724.3
Protein Refseq	NP_001034813.2

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UniProt ID	Q8IVI9
SDS-PAGE	 15% SDS-PAGE

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