

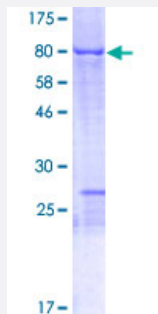
Full-Length

NOSTRIN (Human) Recombinant Protein (P01)

Catalog # H00115677-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human NOSTRIN full-length ORF (NP_001034813.1, 1 a.a. - 506 a.a.) recombinant protein with GS T-tag at N-terminal.

Sequence

MRDPLTDCPYNKVYKNLKEFSQNGENFCKQVTSVLQQRANLEISYAKGLQKLASKLSKALQNTRK
SCVSSAWAWASEGMKSTADLHQKLGKAIKPTYQVLNVQEKRRKSLDNEVEKTANLVISN
WNQIQAKKKLMVSTKKHEALFQLVESSKQSMTEKEKRKLLNKLTKSTEKLEKEDENYYQKNMA
GYSTRKWKENTLENCYQSILELEKERIQLLCNNLNQYSQHISLFGQTLTTCHTQIHCAISKIDIEKDIQA
VMEETAILSTENKSEFLLDYFEEDPNSAMDKERRKSLLKPKLLRLQRDIEKASKDKEGLERMLKT
YSSTSSFSDAKSQKDTAALMDENNLKLDLLEANSYKLSSMLAELEQRPQPSHPCSNSIFRWREK
EHTHSYVKISRPFMKRLNIVSKASSGGQSNPGSSTPAPGAAQLSSRLCKALYSFQARQDDELN
LEKGDVILHEKKEEGWWFGSLNGKKGHFPAAYVEELPSNAGNTATKA

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

84.1

Interspecies Antigen Sequence

Mouse (82); Rat (82)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — NOSTRIN

Entrez GeneID	115677
GeneBank Accession#	NM_001039724.1
Protein Accession#	NP_001034813.1
Gene Name	NOSTRIN
Gene Alias	DalP2, MGC20702
Gene Description	nitric oxide synthase trafficker
Omim ID	607496
Gene Ontology	Hyperlink
Gene Summary	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]
Other Designations	ENOS traffic inducer endothelial nitric oxide synthase traffic inducer nitric oxide synthase trafficker ortholog of mouse disabled 2 interacting protein 2

Disease

- [Autistic Disorder](#)
- [Genetic Predisposition to Disease](#)
- [Tobacco Use Disorder](#)