

Recombinant Human NOSTRIN 293 Cell Lysate

Cat. No. NOSTRIN-3756HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for nitric oxide synthase trafficker (NOSTRIN), transcript variant 2 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications

ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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

MIM

607496

UniProt ID

Q8IVI9

Chromosome Location

2q31.1

Pathway

Metabolism, organism-specific biosystem; Metabolism of nitric oxide, organism-specific biosystem; NOSTRIN mediated eNOS trafficking, organism-specific biosystem; eNOS activation and regulation, organism-specific biosystem;

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Function

protein binding;

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