

## Product datasheet for PH310661

### NOSTRIN (NM\_001039724) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	NOSTRIN MS Standard C13 and N15-labeled recombinant protein (NP_001034813)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC210661
Predicted MW:	57.7 kDa
Protein Sequence:	>RC210661 protein sequence Red=Cloning site Green=Tags(s)

MRDPLTDCPYNKVYKNLKEFSQNGENFCKQVTSVLQQRANLEISYAKGLQKLASKLSKALQNRKSCVSS  
AWAWASEGMKSTADLHQKLGKAIIELEAIKPTYQVLNVQEKKRSLDNEVEKTANLVISNWNQQIKAKKKL  
MVSTKKHEALFQLVESSKQSMTEKEKRLLNKLTKSTEKLEKEDENYQKNMAGYSTRLKWKENTLENCYQ  
SILELEKERIQLLNNLNQYSQHISLFGQTLTTCHTQIHCAISKIDIEKDIQAVMEETAAILSTENKSEFL  
LTDYFEEDPNSAMDKERRKSLKPKLLRLQRDIEKASKDKEGLERMLKTYSTSSFSDAKSQKDTAALMD  
ENNLKLDLLEANSYKLSMLAELEQRPQPSHPCSNSIFRWREKEHHSYVKISRPFLMKRLENIVSKASS  
GGQSNPGSSTPAPGAAQLSSRLCKALYSFQARQDELNLEKGDIVIIHEKKEEGWWFGSLNGKKGHPAA  
YVEELPSNAGNTATKA

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001034813</a>
RefSeq Size:	1947
RefSeq ORF:	1518

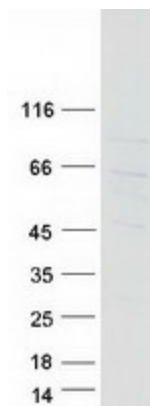


[View online »](#)

Synonyms: DaIP2  
Locus ID: 115677  
UniProt ID: [Q8IV19](#)  
Cytogenetics: 2q24.3

**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, Apr 2004]

### Product images:



Coomassie blue staining of purified NOSTRIN protein (Cat# [TP310661]). The protein was produced from HEK293T cells transfected with NOSTRIN cDNA clone (Cat# [RC210661]) using MegaTran 2.0 (Cat# [TT210002]).