

Product datasheet for TP310661L

NOSTRIN (NM_001039724) Human Recombinant Protein

Product data:

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|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human nitric oxide synthase trafficker (NOSTRIN), transcript variant 2, 1 mg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC210661 protein sequence Red=Cloning site Green=Tags(s) |

MRDPLTDCPYNKVYKNLKEFSQNGENFCKQVTSVLQQRANLEISYAKGLQKLASKLSKALQNTRKSCVSS
AWAWASEGMKSTADLHQKLGKAIKPTQVNLVQEKRRKSLDNEVEKTANLVISNWNQIQAKKKL
MVSTKKHEALFQLVLESSQSMTEKEKRKLLNLTKSTEKLEKEDENYYQKNMAGYSTRKWKWENTLENCYQ
SILELEKERIQLLCNLNQYSQHISLFGQTLTTCHTQIHCAISKIDIEKDIQAVMEETAILSTENKSEFL
LTDYFEEDPNSAMDKERRKSLKPKLLRLQRDIEKASKDKEGLERMLKTYSSSFSDAKSQKDTAALMD
ENNLKLDLLEANSYKLSSMLAELEQRPQPSHPCSNSIFRWREKEHTHSYVKISRPFMKRLENIVSKASS
GGQSNPGSSTPAPGAAQLSSRLCKALYSFQARQDDELNLEKGDVVIHEKKEEGWWFGSLNGKKGHFPAA
YVEELPSNAGNTATKA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

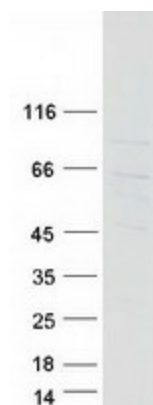
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 57.5 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |



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| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_001034813 |
| Locus ID: | 115677 |
| UniProt ID: | Q8IVI9 |
| RefSeq Size: | 1947 |
| Cytogenetics: | 2q24.3 |
| RefSeq ORF: | 1518 |
| Synonyms: | DaIP2 |
| 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]).