

Product datasheet for TP527419

Nos1 (NM_008712) Mouse Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Purified recombinant protein of Mouse nitric oxide synthase 1, neuronal (Nos1), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug

Species: Mouse

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >MR227419 representing NM_008712
Red=Cloning site Green=Tags(s)

MEEHTFGVQQIQPNVISVRLFKRKVGGGLGFLVKERVSKPPVIISDLIRGGAAEQSGLIQAGDIILAVNDR
PLVDLSYDSALEVLRGIASETHVVLIRGPEGFTTHLETTFTGDGTPKTIRVTQPLGTPTKAVDLSRQPS
ASKDQPLAVDRVPGPSNGPQHAQGRGQGAGSVSQANGVAIDPTMKNTKANLQDSGEQDELLKEIEPVLSI
LTGGGKAVNRGGPAKAEMKDTGIQVDRDLGKHLKAPPLGGENDRVFNDLWKGKGNPVVLLNNPYSENEQS
PASGKQSPTKNGSPSRCPFLKVKNWETDVVLTDTLHLKSTLETGCTEQICMGSIMLPSSHIRKSEDEVRT
KDQLFPLAKEFLDQYYSSIKRFGSKAHMDRLEEVNKEIESTSTYQLKDTELIYGAKHAWRNASRCVGRIQ
WSKLQVFDARDCTTAHGFMFYICNHVKYATNKGNLRSAITIFPQRTDGHKDFRVWNSQLIRYAGYKQPDG
STLGD PANVEFTEICIQGWKPPRGRFDVLP LLLQANGNDPELFIQIPPELVLEVPIRHPKFDWFKDLGLK
WYGLPAVSNM LLEIGGLEFSACPFSGWYMGTEIGVRDYCDNSRYNILEEVAKKMDLDMRKTSSLWKDQAL
VEINIAVLYSFQSDKVTIVDHSATESFIKHMENEYRCRGGCPADWWVWVPPMSGSITPVFHQEMLNRYL
TPSFYQPD PWNTHVWKG TNGTPTKRRAIGFKKLA EAVKFSAKLMGQAMAKRVKATILYATETGKSQAYA
KTLCEIFKHAFDAKAMSMEYD IVHLEHEALV LVVTSTFGNGDPPENGEKFGCALMEMRHPNSVQEERKS
YKVRFNSVSSYSDSRKSSGDGPD LRDNFESTGPLANVRFV FGLGSRAYPHFCAF GHAVDTLLEELGGER
ILKMREGDEL CGQEEAFRTWAKKV FKAACDVFCVGD DVNIEKANS LISNDRSWKRNFRLTYVAEAPEL
TQGLSNVHKRVS AARLLSRQNLQSPKSSRSTIFVRLHTNGNQELQYQPGDHLGVFPGNHEDLVNALIER
LEDAPPANHVVKVEMLEERN TALGVISNWKDESRLPPCTIFQAFKYLDITTPPTPLQLQQFASLATNEK
EKQRLVLVSKGLQEYEEWKWGKNPTMVEVLEEFPSIQMPAT LLLTQLSLLQPRYYSISSSPDMYPDEVHL
TVAIVSYHTRDGE GPVHHGVCSSWLNRIQADDVPCFVRGAPSFHLP RNPQVPCILVGP GTGIAPFRSFW
QQRQFDIQHKGMN PPMVLVFGCRQSKIDHIYREETLQAKNKGVFRELYTAYSREPDRPKKYVDVLQEQ
LAESVYRALKEQGGHIYVCGDVTMAADVLKAIQRIMTQQGKLSEEDAGVFISRLRDDNRYHEDIFGVTLR
TYEVTNRLRSESI AFIEESKKDTDEVFSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

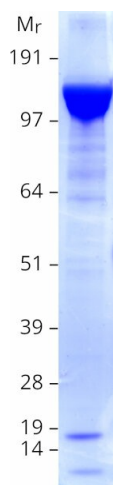
Tag: C-MYC/DDK



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Predicted MW:	160.9 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
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 after receiving vials.
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_032738
Locus ID:	18125
UniProt ID:	Q9Z0J4
RefSeq Size:	4388
Cytogenetics:	5 57.29 cM
RefSeq ORF:	4287
Synonyms:	2310005C01Rik; bNOS; N-NOS; NC-NOS; nNOS; NO; NOS; Nos-1; NOS-I
Summary:	Produces nitric oxide (NO) which is a messenger molecule with diverse functions throughout the body. In the brain and peripheral nervous system, NO displays many properties of a neurotransmitter. Probably has nitrosylase activity and mediates cysteine S-nitrosylation of cytoplasmic target proteins such SRR. Isoform NNOS Mu may be an effector enzyme for the dystrophin complex.[UniProtKB/Swiss-Prot Function]

Product images:



Coomassie blue staining of purified Nos1 protein (Cat# TP527419). The protein was produced from HEK293T cells transfected with Nos1 cDNA clone (Cat# [MR227419]) using MegaTran 2.0 (Cat# [TT210002]).