

Product datasheet for **TP311819**

iNOS (NOS2) (NM_000625) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human nitric oxide synthase 2, inducible (NOS2), 20 µg
Species: Human
Expression Host: HEK293T
Expression cDNA >RC211819 representing NM_000625
Clone or AA Sequence: **Red**=Cloning site **Green**=Tags(s)

MACPWKFLFKTKFHQYAMNGEKDINNNVEKAPCATSSPVTQDDLQYHNLSKQQNESPQLVETGKKSPES
LVKLDATPLSSPRHVRIKNWGSGMTFQDTLHHKAKGILTCRSKSLGSIPTPKSLTRGPRDKPTPPDELL
PQAIEFVNKYYGSFKEAKIEEHLARVEAVTKEIETTGTQYLTGDELIFATKQAWRNAPRCIGRIQWSNLQ
VFDARSCSTAREMFEHICRHVRYSTNNGNIRSALTVPQRSDGKHDFRWNNAQLIRYAGYQMPDGSIRGD
PANVEFTQLCIDLGWKPKYGRFDVPLVLQANGRDEPELFEIPDLVLEVAMEHPKYEFWRELELKWYALP
AVANMLLEVGGLEFPGCPFNWYMGTEIGVRDFCDVQRYNILEEVGRRMGLETHKLASLWKDQAVEINI
AVLHSFQKQNVTIMDHHSAAESFMKYMONEYRSRGGCPADWIWLVPMSGSITPVFHQEMLNLYLSPFY
YQVEAWKTHVWQDEKRRPKRREIPLKVLKAVLFACMLMRKTMASRVRTILFATETGKSEALAWDLGAL
FSCAFNPKVCMCKYRLSCLEERLLLVTSTFGNGDCPGNGEKLKSLFMLKELNNKFRYAVFGLGSSM
YPRCAFAHDIDQKLSHLGASQLTPMGEGDELSGQEDAFRSWAVQTFKAACETFDVRGKQHIQIPKLYTS
NVTWDPHHYRLVQDSQPLDLSKALSSMHAKNVFTMRLKSRQNLQSPSSRATILVELSCEDGQGLNLYLPG
EHLGVCPGNQPALVQGILERVDGPTPHQTVRLEALDESGSYWVSDKRLPCCSLQALTYFLDITTPPTQ
LLLQKLAQVATEEPERQRLEALCQPSEYSKWKFTNSPTFLEVLEEFPSLRVSAGFLLSQLPILKPRFYSI
SSSRDHMPTEIHLTVAVVYHTRDGGPLHHGVCSTWLNLSLKPQDPVPCFVRNASGFHLPEDPSHPCILI
GPGTGIAPFRSFQQRLHDSQHKGVRRGGRMTLVFGCRRPDEDHIYQEEMLEMAQKGVLVHAVHTAYSRLPG
KPKVYVQDILRQQLASEVLRVLHKEPGHLYVCGDVRMARDVAHTLQKLVAAKLLNNEEQVEDYFFQLKSQ
KRYHEDIFGAVFPYEAKKDRVAVQPSSLEMSAL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

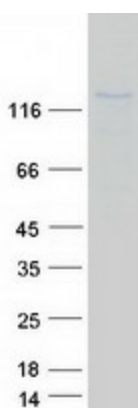
Tag: C-Myc/DDK
Predicted MW: 130.9 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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.
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_000616
Locus ID:	4843
UniProt ID:	P35228
RefSeq Size:	4221
Cytogenetics:	17q11.2
RefSeq ORF:	3459
Synonyms:	HEP-NOS; INOS; NOS; NOS2A
Summary:	Nitric oxide is a reactive free radical which acts as a biologic mediator in several processes, including neurotransmission and antimicrobial and antitumoral activities. This gene encodes a nitric oxide synthase which is expressed in liver and is inducible by a combination of lipopolysaccharide and certain cytokines. Three related pseudogenes are located within the Smith-Magenis syndrome region on chromosome 17. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome
Protein Pathways:	Alzheimer's disease, Amyotrophic lateral sclerosis (ALS), Arginine and proline metabolism, Calcium signaling pathway, Long-term depression, Metabolic pathways, Pathways in cancer, Small cell lung cancer

Product images:



Coomassie blue staining of purified NOS2 protein (Cat# TP311819). The protein was produced from HEK293T cells transfected with NOS2 cDNA clone (Cat# [RC211819]) using MegaTran 2.0 (Cat# [TT210002]).