

Product datasheet for TP300620

NQO1 (NM_000903) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human NAD(P)H dehydrogenase, quinone 1 (NQO1), transcript variant 1, 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200620 protein sequence Red =Cloning site Green =Tags(s) MVGRRALIVLAHSERTSFNYAMKEAAAAALKKKGWVWESDLYAMNFNPIISRKIDITGKLKDPANFQYPA ESVLAYKEGHLSPDIVAEQKKLEADLVIFQFPLQWFGVPAILKGWFERVFIGEFAYTYAAMYDKGPFRS KKAVLSITTGGSGSMYSLQGIHGDMNVILWPIQSGILHFCGFQVLEPQLTYSIGHTPADARIQILEGWKK RLENIWDETPLYFAPSSFLDLNFQAGFLMKKEVQDEEKNKKFGLSVGHHLGKSIPTDNQIKARK TR TRPLEQKLISEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Predicted MW:	30.7 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.
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:	<u>NP_000894</u>
Locus ID:	1728

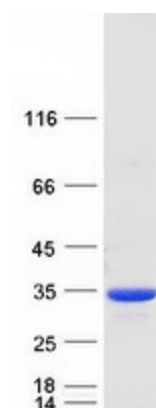

[View online »](#)

UniProt ID: [P15559](#)
RefSeq Size: 2601
Cytogenetics: 16q22.1
RefSeq ORF: 822
Synonyms: DHQU; DIA4; DTD; NMOR1; NMORI; QR1

Summary: This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This protein's enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimer's disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome

Product images:



Coomassie blue staining of purified NQO1 protein (Cat# TP300620). The protein was produced from HEK293T cells transfected with NQO1 cDNA clone (Cat# [RC200620]) using MegaTran 2.0 (Cat# [TT210002]).