

NAD (P)H dehydrogenase [quinone] 1 (Nqo1) Recombinant Protein | Nqo1 recombinant protein

Recombinant Mouse NAD (P)H dehydrogenase [quinone] 1 (Nqo1)

CATALOG # AAA116703	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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PRODUCT SYNONYMS

NAD (P)H dehydrogenase [quinone] 1 (Nqo1); Recombinant Mouse NAD (P)H dehydrogenase [quinone] 1 (Nqo1); Nqo1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	2-274aa; Full Length of Mature Protein
Sequence	AARRALIVLA HSEKTSFNIA MKEAAVEALK KRGWEVLESD LYAMNFPNII SRNDITGELK DSKNFQYPSE SSLAYKEGRL SPDIVAEHKK LEAADLVIFQ FPLQWFGVPA ILKGWFERVL VAGFAYTYAA MYDNGPFQNK KTLLSITTGG SGSMYSLQGV HGD MNVILWP IQSGILRFCG FQVLEPQLVY SIGHTPPDAR MQILEGWKKR LETVWEETPL YFAPSSLFDL NFQAGFLMKK EVQEEQKKNK FGLSVGHHLG KSIPADNQIK ARK
Sequence Length	274
Species	Mouse
Production Note	Special Offer: The Yeast host-expressed protein is manufactured from a stock plasmid containing the protein gene. Yeasthost-expressed protein is stocked in different unit sizes ranging from as small as 10 ug to as large as 1 mg. Bulk inventory is also available. The Yeast host-expressed protein has been ordered over and over again by researchers and has stood the test of time as both a robust protein and important target for the research community. It is part of our new program to make our most popular protein targets and corresponding hosts available in expanded unit sizes and with a quick processing time. Select Yeast host-expressed protein for the fastest delivery among all hosts. Please contact our or email to for more details.
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.

ADDITIONAL INFORMATION

Related Product Information for Nqo1 recombinant protein	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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	94400773
NCBI GeneID	18104
NCBI Accession #	NP_032732.3

NCBI GenBank Nucleotide #	NM_008706.5
UniProt Accession #	Q64669
Molecular Weight	32.8 kDa
NCBI Official Full Name	NAD(P)H dehydrogenase
NCBI Official Synonym Full Names	NAD(P)H dehydrogenase, quinone 1
NCBI Official Symbol	Nqo1
NCBI Official Synonym Symbols	Dtd; Ox1; Qr1; Dia4; Nmo1; Ox-1; Nmo-1; Nmor1; AV001255
NCBI Protein Information	NAD(P)H dehydrogenase [quinone] 1
UniProt Protein Name	NAD(P)H dehydrogenase [quinone] 1
UniProt Gene Name	Nqo1
UniProt Synonym Gene Names	Dia4; Nmo1; Nmor1; DTD; QR1

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/nqo1-recombinant-protein-e-coli-or-yeast-or-baculovirus-or-mammalian-cell/116703>