



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

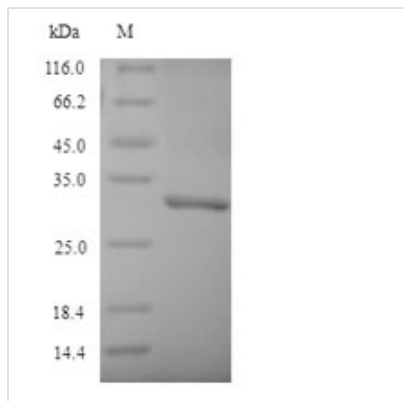
Product Code	CSB-YP717562MO
Relevance	The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinons involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis.
Abbreviation	Recombinant Mouse Nqo1 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q64669
Alias	Azoreductase DT-diaphorase Short name: DTD Menadione reductase NAD(P)H:quinone oxidoreductase 1 Phylloquinone reductase Quinone reductase 1 Short name: QR1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	AARRALIVLAHSEKTSFNYAMKEAAVEALKKRGWEVLES DLYAMNFNPIISRND ITGELKDSKNFQYPSESSLAYKEGRLSPDIVAEHKKLEAADLVIFQFPLQWFGV PAILKGWFERVLVAGFAYTYAAMYDNGPFQNKKTLLSITTGGSGSMYSLQGVH GDMNVILWPIQSGILRFCGFQVLEPQLVYSIGHTPPDARMQILEGWKKRLETV WEETPLYFAPSSLFDLNFQAGFLMKKEVQEEQKKNKFGLSVGHHLGKSIPADN QIKARK
Research Area	Metabolism
Source	Yeast
Target Names	Nqo1
Protein Names	Recommended name: NAD(P)H dehydrogenase [quinone] 1 EC= 1.6.5.2 Alternative name(s): Azoreductase DT-diaphorase Short name= DTD Menadione reductase NAD(P)H:quinone oxidoreductase 1 Phylloquinone reductase Quinone
Expression Region	2-274aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	32.8kDa



Protein Length

Full Length of Mature Protein

Image



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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