

NQO2 recombinant protein

NQO2, 1-231aa, Human, His tag, E Coli

CATALOG # AAA11782	HOST E Coli	APPLICATIONS SDS-Page
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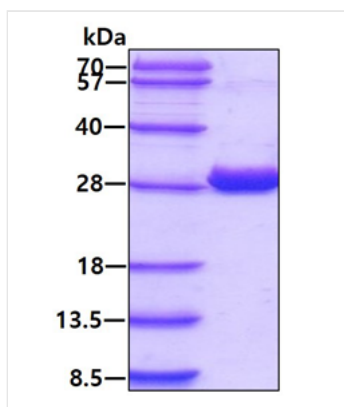
PRODUCT SYNONYMS

NQO2; 1-231aa; Human; His tag; E Coli; N-ribosyldihydronicotinamide:quinone reductase 2; NMOR2; NAD(P)H menadione oxidoreductase 2; Dioxin-inducible; NAD(P)H quinone dehydrogenase 2; Quinone reductase 2; QR2; DHQV; DIA6; NRH:quinone oxidoreductase 2; NQO2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95% by SDS-PAGE
Form/Format	Liquid. In 20mM Tris-HCl Buffer (pH 8.0) containing 10% glycerol, 1mM DTT.
Concentration	1 mg/ml (determined by Bradford assay) (varies by lot)
Sequence	MGSSHHHHHH SSGLVPRGSH MAGKKVLIVY AHQEPKSFNG SLKNVAVDEL SRQGCTVTVS DLYAMNFEPR ATDKDITGTL SNPEVFNYGV ETHEAYKQRS LASDITDEQK KVREADLVIF QFPLYWFSVP AILKGWMDRV LCQGFADFIP GFYDSGLLQG KLALLSVTTG GTAEMYTKTG VNGDSRYFLW PLQHGTLLHFC GFKVLAPQIS FAPEIASSEEE RKGMAVAWSQ RLQTIWKEEP IPCTAHWHFG Q
Sequence Length	231
Applicable Applications for NQO2 recombinant protein	SDS-PAGE
Domain	1-231aa
Tag	His-tag
Preparation and Storage	Can be stored at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Avoid repeated freezing and thawing cycles.

IMAGES



SDS-PAGE

3µg by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

ADDITIONAL INFORMATION

Related Product Information for NQO2 recombinant protein	NQO2 is a member of the NAD (P)H dehydrogenase (quinone). The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinones involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis. It is flavoproteins that catalyze the metabolic detoxification of quinones and their derivatives to hydroquinones. This detoxification process protects cells against quinone-induced oxidative stress, cytotoxicity and mutagenicity. Recombinant human NQO2 protein was expressed in E Coli and purified by using conventional chromatography techniques.
Product Categories/Family for NQO2 recombinant protein	Redox Proteins
References	Wu K., et al. (1997) Arch Biochem Biophys. 347 (2):221-8. ; Jaiswal AK., et al. (1994) J Biol Chem. 269 (20):14502-8. ;

NCBI AND UNIPROT INFORMATION

NCBI GI #	13543901
NCBI GeneID	4835
Molecular Weight	28.1 kDa (251aa), confirmed by MALDI-TOF.
NCBI Official Full Name	NAD(P)H dehydrogenase, quinone 2
NCBI Official Synonym Full Names	N-ribosyldihydronicotinamide:quinone reductase 2
NCBI Official Symbol	NQO2
NCBI Official Synonym Symbols	QR2; DHQV; DIA6; NMOR2
NCBI Protein Information	ribosyldihydronicotinamide dehydrogenase [quinone]
UniProt Protein Name	Ribosyldihydronicotinamide dehydrogenase [quinone]
UniProt Gene Name	NQO2
UniProt Synonym Gene Names	NMOR2; QR2

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://www.aaabiotech.com/nqo2-recombinant-protein-e-coli-sds-page/11782>