

**NQO2, 1-231aa, Human, His tag, E.coli**

**Cat.NO.: TP03192**

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3th Edition

**Synonyms:**Ribosyldihyronicotinamide dehydrogenase, DHQV, DIA6, QR2.

**Description:**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.

**Form:**Liquid. In 20mM Tris-HCl buffer(pH 8.0) containing 10% glycerol 1mM DTT.

**Molecular Weight:**28.1 kDa (251aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHSSGLVPRGSHMAGKKVLIVYAHQEPKSFNGSLKNVAVDELSRQGCTVTVSDLYAMNFEPRATDK  
DITGTLNPEVFNYGVETHEAYKQRSLASDITDEQKKVREADLVIFQFPLYWFSVPAILKGWMDRVLCQGFAFDIPG  
FYDSGLLQGKLLALLSVTTGGTAEMYTKTG VNGDSRYFLWPLQHGT LHF CGFKVLAPQISFAPEIASEEERKGMVAA  
WSQRLQTIWKEEPICTAHWHFGQ

**Purity:**> 95% by HPLC

**Concentration:**1 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.