

**NQO1, 1-274 aa, Human, His-tagged, Recombinant, E.coli**

**Cat.NO.: TP03191**

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3th Edition

**Synonyms:**NAD(P)H dehydrogenase, quinone 1.

**Description:**NQO1 is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This protein 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.

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

**Molecular Weight:**33.0 kDa (294aa)

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMVGRRALIVLAHSERTSFNYAMKEAAAAALKKKGWVVEVDLYAMNFNPIISRKDI  
TGKLDPANFQYPAESVLAYKEGHLSPDIVAEQKKLEAADLVIFQFPLQWFGVPAILKGWFERVFIGEFAYTYAAMY  
DKGPFRRSKKAVLSITGGSGSMYSLQGIHGDMNVILWPIQSGILHFCGFQVLEPQLTYSIGHTPADARIQILEGWKKR  
LENIWDETPLYFAPSSLFDLNFQAGFLMKKEVQDEEKKKFGLSVGHHLGKSIPTDNQIKARK

**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.