

# Human NQO1 Recombinant Protein



RPPB2035

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## Product Information    Protein Information

**Product SKU:**

RPPB2035

**Accession:**

P15559

**Host:**

Escherichia Coli.

**Protein description:**

NQO1 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 294 amino acids ( 1-274aa ) and having a molecular mass of 33.0 kDa. NQO1 is fused to a 20 amino acid His tag at N-terminus and purified by proprietary chromatographic techniques.

**Appearance:**

Sterile Filtered colorless solution.

**Synonyms:**

NAD(P)H dehydrogenase (quinone) 1, Quinone reductase 1, QR1, NAD(P)H:quinone oxidoreductase 1, DT-diaphorase, DTD, Azoreductase, Phylloquinone reductase, Menadione reductase, NQO1, DIA4, NMOR1, DHQU, NMORI.

**Formulation:**

The NQO1 solution (1 mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT and 10% glycerol.

**Purity:**

Greater than 95.0% as determined by SDS-PAGE.

**Stability:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid Sequence:**

MGSSHHHHHH SSSLVPRGSH MVGRRALIVL AHSERTSFNY AMKEAAAAAL KKKGWVWVESDLYAMNFNPI  
ISRKIDITGKL KDPANFQYPA ESVLAYKEGH LSPDIVAEQK KLEAADLVIFQFPLQWFGVP AILKGWFERV  
FIGEFAYTYA AMYDKGPFERS KKAVLSITTG GSGSMYSLQGIHGDMNVILW PIQSGILHFC GFQVLEPQLT  
YSIGHTPADA RIQILEGWKK RLENIWDETPLYFAPSSLFD LNFQAGFLMK KEVQDEEKNK KFGLSVGHHL  
GKSIPTDNQI KARK

**Biological Activity:**

Specific activity is > 1,000 pmol/min/ug. One unit will convert 1 pmoles resazurin to resorufin per minute at pH 7.5 at 25°C.