

**NQO1, human recombinant protein****NAD(P)H Dehydrogenase (Quinine) 1 (NQO1); Quinone Reductase 1 (QR1);****DT-Diaphorase (DTD); Azoreductase****Catalog # PBV11180r****Specification**

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**NQO1, human recombinant protein - Product info**

Primary Accession

[P15559](#)

Calculated MW

**~30.0 kDa. Human NQO1 (aa 1-274) is fused at the C-terminus to a His-tag. KDa****NQO1, human recombinant protein - Additional Info**

Gene ID

**1728**

Gene Symbol

**NQO1****Other Names****NAD(P)H Dehydrogenase (Quinine) 1 (NQO1); Quinone Reductase 1 (QR1); DT-Diaphorase (DTD); Azoreductase; Phylloquinone Reductase; Menadione Reductase; Dioxin-inducible 1; Disphorase-4 (DIA4); NAD(P)H Quinone Oxireductase; Quinone Oxidoreductase 1**

Gene Source

**Human**

Source

**E. coli**

Assay&amp;Purity

**SDS-PAGE; ≥90%**

Assay2&amp;Purity2

**N/A;**

Recombinant

**Yes****Target/Specificity****NQO1****Format****Liquid****Storage****-20°C; 0.2 µm-filtered solution in 50 mM Tris-Cl, pH 8.0, containing 1 mM DTT.****NQO1, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

**NQO1, human recombinant protein - Images**

**NQO1, human recombinant protein - Background**

NQO1 is a cytosolic antioxidant flavoprotein that catalyzes the reduction of highly reactive quinone metabolites and their derivatives by using NAD (P)H as an electron donor. Thus NQO1 acts as a detoxifying enzyme and is involved in the body's protection against oxidative stress. NQO1 acts as a protein chaperone, one of its targets being p53. In humans NQO1 is expressed at high levels in adipocytes and its expression levels are positively correlated with adiposity, glucose tolerance, and makers of liver dysfunction. Altered expression of NQO1 is associated with Alzheimer's disease. NQO1 is abnormally elevated in many types of solid tumors and may represent a useful biomarker of pancreatic cancer.

**NQO1, human recombinant protein - References**

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