

Datasheet for ABIN668043

NQO1 Protein (AA 1-274) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	NQO1
Protein Characteristics:	AA 1-274
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This NQO1 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Characteristics:	NQO1, 1-274 aa, Human, His-tagged, Recombinant, E.coli
Purity:	> 95 % by SDS-PAGE

Target Details

Target:	NQO1
Alternative Name:	NQO1 (NQO1 Products)
Background:	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. NQO1 functions as an important part of cellular

Target Details

antioxidant defense by detoxifying quinines thus preventing the formation of reactive oxygen species. Altered expression of NQO1 has been seen in many tumors and is also associated with Alzheimer's disease (AD). Recombinant NQO1 protein was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: DHQU, DIA4, DTD, NMOR1, NMORI, QR1, Azoreductase, Quinone reductase 1, DT-diaphorase, NAD(P)H dehydrogenase, quinone 1, Azoreductase.Menadione reductase, NQO 1, QR 1, Phylloquinone reductase, Cytochrome b 5 reductase, DIA 4, Diaphorase (NADH/NADPH), Diaphorase 4 Dioxin inducible 1, DT diaphorase, Diaphorase (NADH/NADPH) (cytochrome b 5 reductase), NAD(P)H dehydrogenase quinone 1 NAD(P)H menadione oxidoreductase 1 dioxin inducible, NAD(P)H: menadione oxidoreductase 1 dioxin inducible 1, NAD(P)H:menadione oxidoreductase 1, NAD(P)H:Quinone acceptor oxidoreductase type 1, NAD(P)H:quinone oxidoreductase 1, NAD(P)H:quinone oxireductase, NMOR 1, NMOR I. NCBI no.: NP_000894

Molecular Weight:	33.0 kDa (294aa), confirmed by MALDI-TOF.
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Application Details

Restrictions:	For Research Use only
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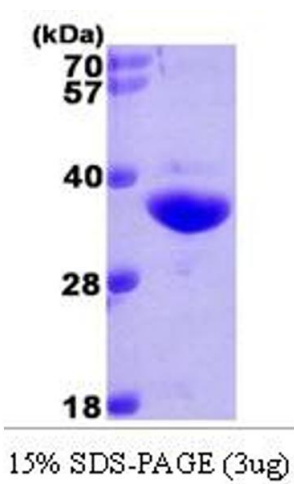
Handling

Format:	Liquid
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Concentration:	1 mg/ml (determined by Bradford assay)
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Buffer:	Liquid. In 20mM Tris-HCL buffer (pH 8.0) containing 10% glycerol 1mM DTT.
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Storage:	4 °C
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SDS-PAGE

Image 1.