

Recombinant Full Length Human NQO1 Protein, GST-tagged

Cat. No. NQO1-6683HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human NQO1 full-length ORF (AAH07659, 1 a.a. - 274 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	274 amino acids
Description	This gene is a member of the NAD(P)H dehydrogenase (quinone) family and encodes a cytoplasmic 2-electron reductase. This FAD-binding protein forms homodimers and reduces quinones to hydroquinones. This proteins enzymatic activity prevents the one electron reduction of quinones that results in the production of radical species. Mutations in this gene have been associated with tardive dyskinesia (TD), an increased risk of hematotoxicity after exposure to benzene, and susceptibility to various forms of cancer. Altered expression of this protein has been seen in many tumors and is also associated with Alzheimers disease (AD). Alternate transcriptional splice variants, encoding different isoforms, have been characterized. [provided by RefSeq
Molecular Mass	55.88 kDa
AA Sequence	MVGRRALIVLAHSERTSFNYAMKEAAAAAALKKKGWEEVVEDLYAMNFNPIISRKDIT GKLKDPANFQYPAESVLAYKEGHLSPDIVAEQKKLEAADLVIFQFPLQWFGVPAILKG WFERVFIGEFAYTYAAMYDKGPFRSKKAVLSITTGGSGSMYSLQGIHGDMNVILWPI

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	QSGILHFCGFQVLEPQLTYSIGHTPADARIQILEGWKKRLENIWDETPLYFAPSSLFD LNFQAGFLMKKEVQDEEKNKKFGLSVGHHLGKSIPTDNQIKARK
Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
GENE INFORMATION	
Gene Name	NQO1 NAD(P)H dehydrogenase, quinone 1 [Homo sapiens]
Official Symbol	NQO1
Synonyms	NQO1; NAD(P)H dehydrogenase, quinone 1; DIA4, diaphorase (NADH/NADPH) (cytochrome b 5 reductase) , NMOR1; NAD(P)H dehydrogenase [quinone] 1; DHQU; DTD; QR1; azoreductase; diaphorase-4; DT-diaphorase; dioxin-inducible 1; menadione reductase; quinone reductase 1; phyloquinone reductase; NAD(P)H:quinone oxireductase; NAD(P)H:quinone oxidoreductase 1; NAD(P)H:menadione oxidoreductase 1; NAD(P)H:Quinone acceptor oxidoreductase type 1; diaphorase (NADH/NADPH) (cytochrome b-5 reductase); DIA4; NMOR1; NMORI;
Gene ID	1728

mRNA Refseq	NM_000903
Protein Refseq	NP_000894
MIM	125860
UniProt ID	P15559

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA