

Recombinant Full Length Human NQO2 Protein, GST-tagged

Cat. No. NQO2-6684HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human NQO2 full-length ORF (AAH06096.1, 1 a.a. - 231 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	231 amino acids
Description	This gene encodes a member of the thioredoxin family of enzymes. It is a cytosolic and ubiquitously expressed flavoprotein that catalyzes the two-electron reduction of quinone substrates and uses dihydronicotinamide riboside as a reducing coenzyme. Mutations in this gene have been associated with neurodegenerative diseases and several cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2014]
Molecular Mass	51.15 kDa
AA Sequence	MAGKKVLIVYAHQEPKSFNGSLKNVAVDLSRQGCTVTVSDLYAMNFEPRTDKDIT GTLSNPEVFNYGVETHEAYKQRSLASDITDEQKKVREADLVIFQFPLYWFSVPAILKG WMDRVLCQGFADFIPGFYDSGLLQGKLALLSVTTGGTAEMYTKTGVNGDSRYFLW PLQHGTLHFCGFKVLAPQISFAPEIASEEERKGMVAAWSQRLQTIWKEEPIPCTAHW HFGQ
Applications	Enzyme-linked Immunoabsorbent Assay

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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 NQO2 NAD(P)H dehydrogenase, quinone 2 [Homo sapiens]

Official Symbol NQO2

Synonyms

NQO2; NAD(P)H dehydrogenase, quinone 2; NAD(P)H menadione oxidoreductase 2, dioxin inducible , NMOR2; ribosyldihydrionicotinamide dehydrogenase [quinone]; DHQV; DIA6; QR2; quinone reductase 2; NRH:quinone oxidoreductase 2; NRH dehydrogenase [quinone] 2; ribosyldihydrionicotinamide dehydrogenase; NAD(P)H menadione oxidoreductase 2, dioxin-inducible; NAD(P)H menadione oxidoreductase-1, dioxin-inducible-2; NMOR2; FLJ39868;

Gene ID 4835

mRNA Refseq NM_000904

Protein Refseq NP_000895

MIM 160998

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UniProt ID

P16083

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