

## Recombinant Rat Nqo1 protein, His/sumo-tagged

Cat. No. Nqo1-723R Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Rat Nqo1(2-274 aa) fused with His/sumo tag at N-terminal was expressed in E. coli.
<b>Species</b>	Rat
<b>Source</b>	E.coli
<b>ProteinLength</b>	2-274 aa
<b>Form</b>	Tris-based buffer,50% glycerol
<b>AA Sequence</b>	AVRRALIVL AHAERTSFNY AMKEAAVEAL KKKGWEEVES DLYAMNFNPL ISRNDITGEP KDSENFQYPV ESSLAYKEGR LSPDIVAEQK KLEAADLVIF QFPLYWFGVP AILKGWFERV LVAGFAYTYA TMYDKGPFQN KKTLLSITTG GSGSMYSLQG VHGD MNVILW PIQSGILRFC GFQVLEPQLV YSIGHTPPDA RVQVLEGWKK RLETVWEESP LYFAPSSLFD LNFQAGFLK KEVQEEQKKN KFGLSVGHHL GKSIPADNQi KARK
<b>Purity</b>	>90% ( SDS-PAGE )
<b>Storage</b>	Store at -20 centigrade, for extended storage, conserve at -20 centigrade or -80 centigrade. Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.

### GENE INFORMATION

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<b>Gene Name</b>	Nqo1 NAD(P)H dehydrogenase, quinone 1 [ <i>Rattus norvegicus</i> ]
<b>Official Symbol</b>	Nqo1
<b>Synonyms</b>	NQO1; NAD(P)H dehydrogenase, quinone 1; NAD(P)H dehydrogenase [quinone] 1; DTD; QR1; azoreductase; DT-diaphorase; menadione reductase; quinone reductase 1; Diaphorase (NADH/NADPH); phyloquinone reductase; NAD(P)H:menadione oxidoreductase; NAD(P)H:quinone oxidoreductase 1; Dia4; MGC93075;
<b>Gene ID</b>	24314
<b>mRNA Refseq</b>	NM_017000
<b>Protein Refseq</b>	NP_058696
<b>MIM</b>	
<b>UniProt ID</b>	P05982
<b>Chromosome Location</b>	19q12
<b>Pathway</b>	Keap1-Nrf2, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of amino acids and derivatives, organism-specific biosystem; Oxidative Stress, organism-specific biosystem; Regulation of ornithine decarboxylase (ODC), organism-specific biosystem;
<b>Function</b>	NAD(P)H dehydrogenase (quinone) activity; NAD(P)H dehydrogenase (quinone) activity; coenzyme binding; electron carrier activity; oxidoreductase activity; superoxide dismutase activity;

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