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DATA SHEET

NAD(P)H Dehydrogenase Quinone 1 Human Recombinant

Item Number	rAP-1003
Synonyms	NAD(P)H dehydrogenase (quinone) 1, Quinone reductase 1, QR1, NAD(P)H:quinone oxidoreductase 1, DT -diaphorase, DTD, Azoreductase, Phylloquinone reductase, Menadione reductase, NQO1, DIA4, NMOR1, DHQU, NMORI.
Description	NQO1 Human Recombinant fused with a 20 amino acids His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 294 amino acids (1-274 a.a.) and having a molecular mass of 33kDa.The NQO1 is purified by proprietary chromatographic techniques.
Uniprot Accesion Number	P15559
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MVGRRALIVL AHSERTSFNY AMKEAAAAAL KKKGWEVVES DLYAM-NFNPI ISRKDITGKL KDPANFQYPA ESVLAYKEGH LSPDIVAEQK KLEAADLVIF QFPLQWFGVP AILKGWFERV FIGEFAYTYA AMYDKGPFRS KKAVLSITTG GSGSMYSLQG IHGDMNVILW PIQSGILHFC GFQVLEPQLT YSIGHTPADA RIQILEGWKK RLENIWDETP LYFAPSSLFD LNFQAGFLMK KEV-QDEEKNK KFGLSVGHHL GKSIPTDNQI KARK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Formulation and Purity	The NQO1 solution contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 1mM DTT. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for Research Use Only