

32-2613: NQO2 Recombinant Protein

Alternative Name : DHQV,DIA6,QR2,EC 1.10.99.2,NMOR2,NQO2,NRH:quinone oxidoreductase 2,NRH dehydrogenase [quinone] 2,Ribosyldihydrionicotinamide dehydrogenase [quinone].

Description

Source : Escherichia Coli. NQO2 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 251 amino acids (1-231 a.a.) and having a molecular mass of 28.1 kDa. NQO2 protein is fused to a 20 amino acid His-Tag at N-terminus and purified by standard chromatography. NQO2 is a flavoprotein that catalyzes the 2-electron reduction of diverse quinones, redox dyes, and the vitamin K menadione. NQO2 mainly uses dihydronicotinamide riboside (NRH) as the electron donor. NQO2 catalyzes the metabolic detoxification of quinones and their derivatives to hydroquinones. This detoxification process protects cells against quinone-induced oxidative stress, cytotoxicity and mutagenicity.

Product Info

Amount : 25 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : NQO2 Human solution (1mg/ml) containing 20mM Tris-HCl pH-8, 1mM DTT & 10% glycerol.
Storage condition : NQO2 Human although stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MAGKKVLIVY AHQEPKSFNG SLKNVAVDEL SRQGCTVTVS
DLYAMNFEPR ATDKDITGTL SNPEVFNYGV ETHEAYKQRS LASDITDEQK KVREADLVIF QFPLYWFSVP
AILKGWMDRV LCQGFAFDIP GFYDSGLLQG KLALLSVTTG GTAEMYTKTG VNGDSRYFLW PLQHGTLLHFC
GFKVLAPQIS FAPEIASEEE RKG MVAAWSQ RLQTIWKEEP IPCTAHWHFG Q.