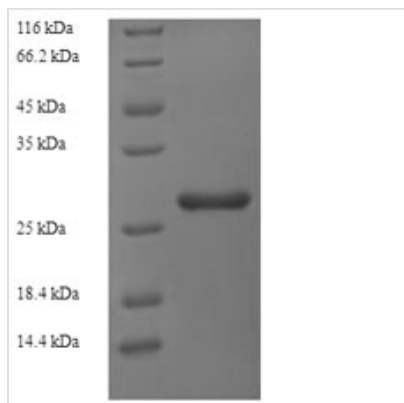




Recombinant Rat Ribosyldihydronicotinamide dehydrogenase (Nqo2)

Product Code	CSB-YP721470RA
Relevance	The enzyme apparently serves as a quinone reductase in connection with conjugation reactions of hydroquinones involved in detoxification pathways as well as in biosynthetic processes such as the vitamin K-dependent gamma-carboxylation of glutamate residues in prothrombin synthesis.
Abbreviation	Recombinant Rat Nqo2 protein
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q6AY80
Alias	NRH dehydrogenase [quinone] 2NRH:quinone oxidoreductase 2Quinone reductase 2 ;QR2
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	MAGKKVLLVYAHQEPKSFNGSMKQVAVEELSKQGCTVTVSDLYTMNFEPRAT RNDVTGALSNPEVFKYGIEAYEAYKKKALTSDILEEQRKVQEADLVIFQFPLYW FSVPAILKGWMDRVLCQGFADFVPGFYDSGFLKDKLALLSFTTGGTAEMYTKA GVNGDFRYFLWPLQHGTLHFCGFKVLAPQISFGPEVSSEEQRKVMLASWVQR LKSIWKEEPIHCTPSWYFQG
Research Area	Others
Source	Yeast
Target Names	Nqo2
Protein Names	Recommended name: Ribosyldihydronicotinamide dehydrogenase [quinone] EC= 1.10.99.2 Alternative name(s): NRH dehydrogenase [quinone] 2 NRH:quinone oxidoreductase 2 Quinone reductase 2 Short name= QR2
Expression Region	1-231aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	N-terminal 6xHis-tagged
Mol. Weight	28.3kDa
Protein Length	Full Length
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.