

Recombinant Rat NQO2 Protein (1-231 aa), His-SUMO-tagged

Cat. No. NQO2-1032R Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Rat NQO2 Protein (1-231 aa) is produced by E. coli expression system. This protein is fused with a 6xHis-SUMO tag at the N-terminal. Protein Description: Full Length.

Species Rat

Source E.coli

ProteinLength 1-231 aa

Description 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.

Form Tris-based buffer, 50% glycerol

Molecular Mass 42.3 kDa

AA Sequence
 MAGKKVLLVYAHQEPKSFNGSMKQVAVEELSKQGCTVTVSDLYTMNFEPATRND
 VTGALSNPEVFKYGI EAYEAYKKKALTSDILEEQRKVQEADLVIFQFPLYWFSVPAILK
 GWMDRVLCQGFAFDVPGFYDSGFLKDKLALLSFTTGGTAEMYTKAGVNGDFRYFL
 WPLQHGTLHFCGFKVLAPQISFGPEVSSEEQRKVMLASWVQRLKSIWKEEPHCTP
 SWYFQG

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Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with concentration instruction is sent along with the products.

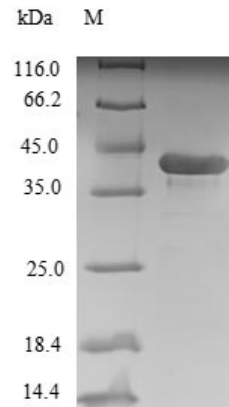
GENE INFORMATION

Gene Name	Nqo2 NAD(P)H dehydrogenase, quinone 2 [<i>Rattus norvegicus</i>]
Official Symbol	NQO2
Synonyms	NQO2; QR2; quinone reductase 2; MGC94180;
Gene ID	291084
mRNA Refseq	NM_001004214
Protein Refseq	NP_001004214
UniProt ID	Q6AY80

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

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