

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


Cat. No. NQO2-1145M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse 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	Mouse
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	42.2 kDa
AA Sequence	MAGKKVLIVYAHQEPKSFNGSLKKVAVEELSKQGCTVTVSDLYSMNFEPATRNDIT GAPSNPDVFSYGIETHEAYKKKALTSDFEEQRKVQEADLVIFQFPLYWFSVPAILKG WMDRVLRCRGFAFDIPGFYDSGFLKGLALLSLTTGGTAEMYTKDGVSGDFRYFLWP LQHGTLHFCGFKVLAPQISFGLDVSSEEERKVMLASWAQRLKSIWKEEPHCTPPWY FQE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

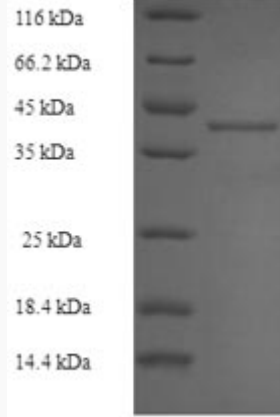
GENE INFORMATION

Gene Name	Nqo2 NAD(P)H dehydrogenase, quinone 2 [<i>Mus musculus</i>]
Official Symbol	NQO2
Synonyms	NQO2; QR2; Ox2; NMO2; Nmor2;
Gene ID	18105
mRNA Refseq	NM_001163239
Protein Refseq	NP_001156711
UniProt ID	Q9JI75

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

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