NAD (P)h-Quinone Oxidoreductase Subunit K, Chloroplastic (ndhK) Panax Ginseng Recombinant Protein

PRODUCT OVERVIEW

Product Name	NAD (P)H-quinone oxidoreductase subunit K, chloroplastic (ndhK), Recombinant Protein
Full Product Name	Recombinant Panax ginseng NAD (P)H-quinone oxidoreductase subunit K, chloroplastic (ndhK)
Product Gene Name	ndhK recombinant protein
Product Synonym Gene Name	ndhK
Sequence	MNSIEFPLLD RTTQNSVIST TSNDLSNWSR LSSLWPLLYG TSCCFIEFAS LIGSRFDFDR YGLVPRSSPR QADLILTAGT VTMKMAPSLV RLYEQMPEPK YVIAMGACTI SGGMFSTDSY STVRGVDKLI PVDVYLPGCP PKPEAVIDAI TKLRKKISRE IYEDRIKSQR ENRCFTTNHK FQVGRSIHTG NYDRGFLYQP PFTSEIPSET FFKYKSSVSS HELVN
Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degrees C. For long-term storage, store at -20 degrees C or -80 degrees C. Store working aliquots at 4 degrees C for up to one week. Repeated freezing and thawing is not recommended.
Molecular Weight	25,426 Da
Sequence Positions	1-225, Full length protein
Tag Information	This protein contains an N-terminal tag and may also contain a C-terminal tag. Tag types are determined by various factors including tag-protein stability, please inquire for tag information.
Sterility	Sterile filter available upon request.
Endotoxin	Low endotoxin available upon request.
3D Structure	ModBase 3D Structure for Q68S02
Species	Panax ginseng (Korean ginseng)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ndhK recombinant protein	MBS1339282 is a recombinant protein targeting ndhK. Also known as Recombinant Panax ginseng NAD (P)H-quinone oxidoreductase subunit K, chloroplastic (ndhK). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ndhK recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ndhK. It may not necessarily be applicable to this product.

NCBI GI #	52220814
NCBI GeneID	3021507
NCBI Accession #	YP_086970.1
UniProt Primary Accession #	Q68S02

UniProt Related Accession #	Q68S02
GenBank Nucleotide #	NC_006290.1
NCBI Official Full Name	NADH dehydrogenase subunit K (chloroplast)
NCBI Official Symbol	ndhK
UniProt Protein Name	NAD(P)H-quinone oxidoreductase subunit K, chloroplastic
UniProt Synonym Protein Names	NAD(P)H dehydrogenase subunit K
Protein Family	NAD(P)H-quinone oxidoreductase
UniProt Gene Name	ndhK
NCBI Protein Information	NADH dehydrogenase 27 kDa subunit
UniProt Comments for ndhK	NDH shuttles electrons from NAD(P)H:plastoquinone, via FMN and iron-sulfur (Fe-S) centers, to quinones in the photosynthetic chain and possibly in a chloroplast respiratory chain. The immediate electron acceptor for the enzyme in this species is believed to be plastoquinone. Couples the redox reaction to proton translocation, and thus conserves the redox energy in a proton gradient.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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