NAD (P)h-Quinone Oxidoreductase Subunit I, Chloroplastic (ndhI) Huperzia Lucidula Recombinant Protein

PRODUCT OVERVIEW

Product Name	NAD (P)H-quinone oxidoreductase subunit I, chloroplastic (ndhI), Recombinant Protein
Full Product Name	Recombinant Huperzia lucidula NAD (P)H-quinone oxidoreductase subunit I, chloroplastic (ndhI)
Product Gene Name	ndhI recombinant protein
Product Synonym Gene Name	ndhI
Sequence	MFSMVEGLQV YGQQTIQAAK YIGQGFMVTL DHMNRLPMTV QYPYEKLIPS ERFRGRIHFE FDKCIACEVC VRVCPINLPV VDWEFEKNIR KKQLTSYSID FGVCIFCGNC VEYCPTNCLS MTEEYELSTY DRHELNHDQI ALGRLPLSVV EDSTIRVISG LTKLPKGTMD GHSASKNVTN FLH
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	20,972 Da
Sequence Positions	1-183, 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 Q5SCZ1
Species	Huperzia lucidula (Shining clubmoss) (Lycopodium lucidulum)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ndhI recombinant protein	MBS1308209 is a recombinant protein targeting ndhI. Also known as Recombinant Huperzia lucidula NAD (P)H-quinone oxidoreductase subunit I, chloroplastic (ndhI). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ndhI 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 ndhI. It may not necessarily be applicable to this product.

NCBI GI #	60117229
NCBI GeneID	3283828
NCBI Accession #	YP_209563.1
UniProt Primary Accession #	Q5SCZ1
UniProt Related Accession #	Q5SCZ1

GenBank Nucleotide #	NC_006861.1
NCBI Official Full Name	NADH dehydrogenase subunit I (chloroplast)
NCBI Official Symbol	ndhI
NCBI Official Synonym Symbols	frxB
UniProt Protein Name	NAD(P)H-quinone oxidoreductase subunit I, chloroplastic
UniProt Synonym Protein Names	NAD(P)H dehydrogenase subunit I
Protein Family	NAD(P)H-quinone oxidoreductase
UniProt Gene Name	ndhI
UniProt Synonym Gene Names	NDH subunit I
NCBI Protein Information	NADH dehydrogenase 18 kDa subunit
UniProt Comments for ndhI	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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