NAD (P)h-Quinone Oxidoreductase Subunit 3 (ndhC) Prochlorococcus Marinus Recombinant Protein

PRODUCT OVERVIEW

Product Name	NAD (P)H-quinone oxidoreductase subunit 3 (ndhC), Recombinant Protein
Full Product Name	Recombinant Prochlorococcus marinus NAD (P)H-quinone oxidoreductase subunit 3
Product Gene Name	ndhC recombinant protein
Product Synonym Gene Name	Recombinant NAD (P)H-quinone oxidoreductase subunit 3; NAD(P)H-quinone oxidoreductase subunit 3 EC= 1.6.5.-; NAD(P)H dehydrogenase subunit 3 NADH-plastoquinone oxidoreductase subunit 3 NDH-1 subunit 3; NDH-C
Sequence	MFSLQGYEYF LGFLLISGAV PILALTTNKL IAPKSKAGER QLTYESGMEP IGGAWIQFNI RYYMFALVFV IFDVETVFLY PWAVAFHKLG LLAFIEALVF ITILVVALAY AWRKGALEWS
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 degree C. For extended storage, store at -20 or -80 degree C.
Molecular Weight	13,581 Da
Sequence Positions	1-120
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.
Chromosome Location	NC_008819.1 (347034..347396, complement)
3D Structure	ModBase 3D Structure for A2C0C8
Species	Prochlorococcus marinus (strain NATL1A)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ndhC recombinant protein	MBS1230197 is a recombinant protein targeting ndhC. Also known as Recombinant Prochlorococcus marinus NAD (P)H-quinone oxidoreductase subunit 3. Host: E Coli or Yeast or Baculovirus or Mammalian Cell. ndhC
Other Notes	Small volumes of ndhC 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 ndhC. It may not necessarily be applicable to this product.

NCBI GI #	124025087
NCBI GeneID	4779547
NCBI Accession #	YP_001014203.1
UniProt Primary Accession #	A2C0C8
UniProt Related Accession #	A2C0C8

GenBank Nucleotide #	NC_008819.1
NCBI Official Full Name	NADH dehydrogenase subunit A
NCBI Official Symbol	ndhC
UniProt Protein Name	NAD(P)H-quinone oxidoreductase subunit 3
UniProt Synonym Protein Names	NAD(P)H dehydrogenase subunit 3; NADH-plastoquinone oxidoreductase subunit 3; NDH-1 subunit 3
Protein Family	NAD(P)H-quinone oxidoreductase
UniProt Gene Name	ndhC
UniProt Synonym Gene Names	NDH-C
UniProt Entry Name	NU3C_PROM1
NCBI Protein Information	NADH dehydrogenase subunit A
UniProt Comments for ndhC	Function: NDH-1 shuttles electrons from an unknown electron donor, via FMN and iron-sulfur (Fe-S) centers, to quinones in the respiratory and/or the photosynthetic 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. Cyanobacterial NDH-1 also plays a role in inorganic carbon-concentration By similarity. HAMAP-Rule MF_01394 Catalytic activity: NAD(P)H + plastoquinone = NAD(P)+ + plastoquinol. HAMAP-Rule MF_01394 Subunit structure: NDH-1 can be composed of about 15 different subunits; different subcomplexes with different compositions have been identified which probably have different functions By similarity. Subcellular location: Cellular thylakoid membrane; Multi-pass membrane protein By similarity HAMAP-Rule MF_01394. Sequence similarities: Belongs to the complex I subunit 3 family.
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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