NAD (P)h-Quinone Oxidoreductase Subunit 3, Chloroplastic (ndhC) Phaseolus Vulgaris Recombinant Protein

PRODUCT OVERVIEW

Product Name	NAD (P)H-quinone oxidoreductase subunit 3, chloroplastic (ndhC), Recombinant Protein
Full Product Name	Recombinant Phaseolus vulgaris NAD (P)H-quinone oxidoreductase subunit 3, chloroplastic
Product Gene Name	ndhC recombinant protein
Product Synonym Gene Name	ndhC
Product Synonym Names	Recombinant NAD (P)H-quinone oxidoreductase subunit 3, chloroplastic; NAD(P)H-quinone oxidoreductase subunit 3, chloroplastic EC= 1.6.5.-; NAD(P)H dehydrogenase subunit 3 NADH-plastoquinone oxidoreductase subunit 3
Sequence	MFLLYEYDIF WAFLIISSLI PILAFLISGI LAPISKGPEK LSSYESGIEP IGDAWLQFRI RYYMFALIFV VFDVETVFLY PWAMSFDVLG VSVFLEAFLF VLILIVGSVY 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	13,826 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_009259.1 (13451..13813)
3D Structure	ModBase 3D Structure for A4GG92
Species	Phaseolus vulgaris (Kidney bean) (French bean)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ndhC recombinant protein	MBS1162989 is a recombinant protein targeting ndhC. Also known as Recombinant Phaseolus vulgaris NAD (P)H-quinone oxidoreductase subunit 3, chloroplastic. Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
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 #	139387439
NCBI GeneID	4961744
NCBI Accession #	YP_001122793.1
UniProt Primary Accession #	A4GG92

UniProt Related Accession #	A4GG92
GenBank Nucleotide #	NC_009259.1
NCBI Official Full Name	NADH-plastoquinone oxidoreductase subunit 3
NCBI Official Symbol	ndhC
UniProt Protein Name	NAD(P)H-quinone oxidoreductase subunit 3, chloroplastic
UniProt Synonym Protein Names	NAD(P)H dehydrogenase subunit 3; NADH-plastoquinone oxidoreductase subunit 3
Protein Family	NAD(P)H-quinone oxidoreductase
UniProt Gene Name	ndhC
UniProt Entry Name	NU3C_PHAVU
NCBI Protein Information	NADH dehydrogenase subunit 3
UniProt Comments for ndhC	Function: 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 By similarity. HAMAP-Rule MF_01394 Catalytic activity: NAD(P)H + plastoquinone = NAD(P)+ + plastoquinol. HAMAP-Rule MF_01394 Subunit structure: NDH is composed of at least 16 different subunits, 5 of which are encoded in the nucleus By similarity. Subcellular location: Plastid › chloroplast 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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