NAD (P)h-Quinone Oxidoreductase Subunit H, Chloroplastic (ndhH) Citrus Sinensis Recombinant Protein

PRODUCT OVERVIEW

Product Name	NAD (P)H-quinone oxidoreductase subunit H, chloroplastic (ndhH), Recombinant Protein
Full Product Name	Recombinant Citrus sinensis NAD (P)H-quinone oxidoreductase subunit H, chloroplastic (ndhH)
Product Gene Name	ndhH recombinant protein
Product Synonym Gene Name	ndhH
Sequence	MSILATEKEK EFMIVNMGPH HPSMHGVLRL IVTLDGEDVI DCEPILGYLH RGMEKIAENR TIIQYLPYVT RWDYLATMFT EAITVNGPEQ LGNIRVPKRA SYIRVIMLEL SRIASHLLWL GPFMADIGAQ TPFFYIFRER ELVYDLFEAA TGMRMMHNYF RIGGVAADLP YGWIDKCLDF CDYFLTGVAE YQKLITRNPI FLERVEGVGI IGGEEAINWG LSGPMLRASG IEWDLRKVDH YECYDEFDWE VQWQKEGDSL ARYLVRIGEM TESVKIIQQA LEGIPGGPYE NLEIRCFDRE SDPERNDFEN RFISKKPSPT FELTKQELYA RVEAPKGELG IFLIGDQSGF PWRWKIRPPG FINLQILPQL VKRMKLADIM TILGSIDIIM GEVDR
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	45,579 Da
Sequence Positions	1-395, 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 Q09MC0
Species	Citrus sinensis (Sweet orange) (Citrus aurantium var. sinensis)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ndhH recombinant protein	MBS1346504 is a recombinant protein targeting ndhH. Also known as Recombinant Citrus sinensis NAD (P)H-quinone oxidoreductase subunit H, chloroplastic (ndhH). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ndhH 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 ndhH. It may not necessarily be applicable to this product.

NCBI GI #	114329713
NCBI GeneID	4271145
NCBI Accession #	YP_740533.1

UniProt Primary Accession #	Q09MC0
UniProt Related Accession #	Q09MC0
GenBank Nucleotide #	NC_008334.1
NCBI Official Full Name	NADH-plastoquinone oxidoreductase subunit 7 (chloroplast)
NCBI Official Symbol	ndhH
UniProt Protein Name	NAD(P)H-quinone oxidoreductase subunit H, chloroplastic
UniProt Synonym Protein Names	NAD(P)H dehydrogenase subunit H; NADH-plastoquinone oxidoreductase 49 kDa subunit
Protein Family	NAD(P)H-quinone oxidoreductase
UniProt Gene Name	ndhH
NCBI Protein Information	NADH dehydrogenase subunit 7
UniProt Comments for ndhH	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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