NAD (P)h-Quinone Oxidoreductase Subunit J (ndhJ) Synechococcus Sp. Recombinant Protein

PRODUCT OVERVIEW

Product Name	NAD (P)H-quinone oxidoreductase subunit J (ndhJ), Recombinant Protein
Full Product Name	Recombinant Synechococcus sp. NAD (P)H-quinone oxidoreductase subunit J (ndhJ)
Product Gene Name	ndhJ recombinant protein
Product Synonym Gene Name	ndhJ
Sequence	MAEENQNPTP EEAAIVEAGA VSQLLTENGF SHESLERDHS GIEIIKVDAD LLIPLCTALY AFGFNYLQCQ GAYDLGPGKE LVSFYHLLKV GDNVTDPEEV RVKVFLPREN PVVPSVYWIW KGADWQERES YDMYGIVYEG HPNLKRILMP EDWIGWPLRK DYVSPDFYEL QDAY
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	19,945 Da
Sequence Positions	1-174, 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 Q8KX38
Species	Synechococcus sp. (strain 27264 / PCC 7002 / PR-6) (Agmenellum quadruplicatum)
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Related Product Information for ndhJ recombinant protein	MBS1341296 is a recombinant protein targeting ndhJ. Also known as Recombinant Synechococcus sp. NAD (P)H-quinone oxidoreductase subunit J (ndhJ). Host: E Coli or Yeast or Baculovirus or Mammalian Cell.
Other Notes	Small volumes of ndhJ 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 ndhJ. It may not necessarily be applicable to this product.

NCBI GI #	501265324
NCBI Accession #	WP_012308342.1
UniProt Primary Accession #	Q8KX38
GenBank Nucleotide #	WP_012308342.1
NCBI Official Full Name	MULTISPECIES: NAD(P)H-quinone oxidoreductase subunit J

UniProt Protein Name	NAD(P)H-quinone oxidoreductase subunit J
UniProt Synonym Protein Names	NAD(P)H dehydrogenase subunit J; NADH-plastoquinone oxidoreductase subunit J
Protein Family	NAD(P)H-quinone oxidoreductase
UniProt Gene Name	ndhJ
UniProt Synonym Gene Names	NDH-J
UniProt Comments for ndhJ	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.
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