NAD (P)H-quinone oxidoreductase subunit 2, chloroplastic (ndhB), Recombinant Protein

CD BioSciences
Plant Protein

Cat RP15888

Species
Ananas comosus (Pineapple) (Ananas ananas)

Full Product Name
Recombinant Ananas comosus NAD (P)H-quinone oxidoreductase subunit 2, chloroplastic (ndhB), partial

Product Gene Name
ndhB recombinant protein

Product Synonym Gene Name
ndhB

Purity
Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)

Format
Lyophilized or liquid (Format to be determined during the manufacturing process)

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
56,816 Da

Storage
Store at -20℃. For long-term storage, store at -20℃ or -80℃. Store working aliquots at 4℃ for up to one week. Repeated freezing and thawing is not recommended.

Protein Family
NAD(P)H-quinone oxidoreductase

NCBI Accession
Q67IL7.2

NCBI GI
68052545

NCBI Official Full Name
NAD(P)H-quinone oxidoreductase subunit 2, chloroplastic

UniProt Gene Name
ndhB

UniProt Protein Name
NAD(P)H-quinone oxidoreductase subunit 2, chloroplastic

UniProt Synonym Protein Names
NAD(P)H dehydrogenase, subunit 2

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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UniProt Primary Accession

Q67IL7

UniProt Comments

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.

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