

NAD (P)H-quinone oxidoreductase subunit M, chloroplastic (ndhM), Recombinant Protein

Cat RP11338

Size 0.02 mg (E-Coli)/ 0.1 mg (E-Coli)/ 0.02 mg (Yeast)/ 0.1 mg (Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species Oryza sativa subsp. japonica (Rice)

Full Product Name

Recombinant Oryza sativa subsp. japonica NAD (P)H-quinone oxidoreductase subunit M, chloroplastic (ndhM)

Product Gene Name

ndhM recombinant protein

Product Synonym Gene Name

ndhM

Purity

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

Sequence

AQDQQQQVKE EEEEEAVENL PPPPQEEEQR RERKTRRQGP AQPLPVQPLA ESKNMSREYG GQWLSCTTRH
IRIYAAYINP ETNAFDQTQM DKLTLLLDPT DEFVWTDTC QKVYDEFQDL VDHYEGAELS EYTLRLIGSD
LEHFIRKLLY DGEIKYNMMS RVLNFSMGKP RIKFNSSQIP DVK

Sequence Positions

38-220, Full length protein

Format

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

Host

E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight

25,665 Da

Storage

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

Protein Family

NAD(P)H-quinone oxidoreductase

NCBI Accession

XP_015637290.1

NCBI GI

1002265930

NCBI GenBank Nucleotide

XM_015781804.1

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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NCBI GeneID
4336530 *mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)*

NCBI Official Full Name

NAD(P)H-quinone oxidoreductase subunit M, chloroplastic

NCBI Official Symbol

LOC4336530

NCBI Official Synonym Symbols

ndhM; NDH-M; OsJ_014964

NCBI Protein Information

NAD(P)H-quinone oxidoreductase subunit M, chloroplastic

UniProt Gene Name

ndhM

UniProt Synonym Gene Names

; NDH subunit MCurated; NDH-M

UniProt Protein Name

NAD(P)H-quinone oxidoreductase subunit M, chloroplastic

UniProt Synonym Protein Names

NAD(P)H dehydrogenase subunit M

UniProt Primary Accession

Q7FB12

UniProt Secondary Accession

Q7X6B5; B7EXV4

UniProt Related Accession

Q7FB12

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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