

NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial (LOC102579157), Recombinant Protein

Cat *RP15416*

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-Solanum tuberosum (Potato) Cell)

Species

Full Product Name

Recombinant Solanum tuberosum NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial

Product Gene Name

LOC102579157 recombinant protein

Purity

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

Sequence

SQQPASSPAT SGGAQPPSMN TPAGISKPAE YVISKVDDL N WARRGSIWP MTFGLACCAV EMMHAGAARY
DFDRFGIIFR PSRQSDVMI VAGTLTNKMA PALRKVYDQM PEPRWVISMG SCANGGGYYH YSYAVVRGCD
RIVPVDIYVP GCPPTAEALL YGILQLQKKI NRRKDLLMWW TQ

Sequence Positions

32-213, 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

23,396 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

NADH dehydrogenase [ubiquinone] iron-sulfur protein

NCBI Accession

Q43844.1

NCBI GI

2499328

NCBI GeneID

102579157

NCBI Official Full Name

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial (LOC102579157), Recombinant Protein

Cat *RP15416*

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)
NCBI Official Symbol
LOC102579157

NCBI Official Synonym Symbols

PSST; CI-20kD

NCBI Protein Information

NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial

UniProt Gene Name

CI-20kD

UniProt Synonym Gene Names

CI-20kD

UniProt Protein Name

NADH dehydrogenase [ubiquinone] iron-sulfur protein 7, mitochondrial

UniProt Synonym Protein Names

Complex I-20kD; CI-20kD; NADH-ubiquinone oxidoreductase 20 kDa subunit

UniProt Primary Accession

Q43844

UniProt Related Accession

Q43844

UniProt Comments

Core subunit of the mitochondrial membrane respiratory chain NADH dehydrogenase (Complex I) that is believed to belong to the minimal assembly required for catalysis. Complex I functions in the transfer of electrons from NADH to the respiratory chain. The immediate electron acceptor for the enzyme is believed to be ubiquinone .

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY