

Cytochrome b6-f complex subunit 6 (petL), Recombinant Protein

Cat *RP15160*

Species

Solanum lycopersicum (Tomato) (*Lycopersicon esculentum*)

Full Product Name

Recombinant *Solanum lycopersicum* Cytochrome b6-f complex subunit 6 (petL), partial

Product Gene Name

petL recombinant protein

Product Synonym Gene Name

petL

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

3,389 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

Cytochrome b6-f complex

NCBI Accession

AP_004946.1

NCBI GI

544170689

NCBI GenBank Nucleotide

AC_000188.1

NCBI GeneID

3950466

NCBI Official Full Name

cytochrome b6 /f complex subunit VI (chloroplast)

NCBI Official Symbol

petA

NCBI Protein Information

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

Cytochrome b6-f complex subunit 6 (petL), Recombinant Protein

Cat *RP15160*

cytochrome f

UniProt Gene Name

petL

UniProt Protein Name

Cytochrome b6-f complex subunit 6

UniProt Synonym Protein Names

Cytochrome b6-f complex subunit PetL

UniProt Primary Accession

Q2MI82

UniProt Related Accession

Q2MI87

UniProt Comments

Component of the cytochrome b6-f complex, which mediates electron transfer between photosystem II (PSII) and photosystem I (PSI), cyclic electron flow around PSI, and state transitions. PetL is important for photoautotrophic growth as well as for electron transfer efficiency and stability of the cytochrome b6-f complex.

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