Light-induced protein, chloroplastic, Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP15401*

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

Species
Solanum demissum (Wild potato)

Full Product Name
Recombinant Solanum demissum Light-induced protein, chloroplastic

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

Sequence
ATNYDKEDEW GPEVEQIRPG GVAVVEEEPP KEPSEIELLK KQLADSLYGT NRGLSASSET RAEIVELITQ LESKNPNPAP TEALTLLNGK WILAYTSFSG LFPLLSRGNL PLVRVEEISQ TIDSESFTVQ NSVVFAGPLA TTSISTNAKF EVRSPKRVQI KFEEGIIGTP QLTDSIVLPE NVEFLGQKID VSPFKGLITS VQDTASSVVK SISSQPPIKF PITNNNAQSW LLTTYLDDEL RIPRGDAGSV FVLIKEGSPL LKP

Sequence Positions
64-326, 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
35,691 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
Light-induced protein

NCBI Accession
O99019.1

NCBI GI
25453087

NCBI Official Full Name
Light-induced protein, chloroplastic

UniProt Protein Name
Light-induced protein, chloroplastic

UniProt Synonym Protein Names
C40.4

UniProt Primary Accession

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O99019

UniProt Comments

Required for normal plant growth. May be both photoprotective and play an ancillary role in photosynthesis. May structurally stabilize thylakoids during osmotic and oxidative stress.

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