

Chlorophyll a-b binding protein AB10 (LHCP), Recombinant Protein

Cat *RP16297*

Size *0.02 mg/0.1 mg/5x0.1 mg*

Species

Malus domestica (Apple) (*Pyrus malus*)

Full Product Name

Recombinant *Malus domestica* Chlorophyll a-b binding protein AB10, chloroplastic

Product Gene Name

LHCP recombinant protein

Purity

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

Sequence

MLKHAASKV SSSTCDRRVK YLGPFSGEWP SYLTGEFFPGD YGWDTAGLSA YPETFAKNRE LEVIHSRCAM
SAALGCIFPE LLSVMGQGF EAVWFKAGA QIFSEGLDYL GNPSLVHAQS ILAIWTTKVI LMGAVEGYRI
ARGPLGEVTD PLYPGSFDSL GLAEDTEAFA ELKVKELKNG RLAMFSMFGF FVQAIIVSRKD RLENLADHLG
WTVNNNALS NVTNFVPGN

Sequence Positions

41-268aa; full length protein

Format

Liquid containing glycerol

Host

Cell Free Expression

Molecular Weight

29,212 Da

Storage

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

Protein Family

Chlorophyll a-b binding protein

NCBI Accession

P15773.1

NCBI GI

115831

NCBI Official Full Name

Chlorophyll a-b binding protein AB10, chloroplastic

UniProt Gene Name

LHCP

UniProt Synonym Gene Names

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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LHCP

UniProt Protein Name

Chlorophyll a-b binding protein AB10, chloroplastic

UniProt Synonym Protein Names

LHCII type I CAB-AB10; LHCP

UniProt Entry Name

CB2_MALDO

UniProt Primary Accession

P15773

UniProt Comments

The light-harvesting complex (LHC) functions as a light receptor, it captures and delivers excitation energy to photosystems with which it is closely associated.

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