Chlorophyll a-b binding protein 4, chloroplastic (LHCA4), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP05490*

Size *1 mg (E-Coli)/ 1 mg (Yeast)*

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Chlorophyll a-b binding protein 4, chloroplastic (LHCA4), partial

Product Gene Name
LHCA4 recombinant protein

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

Sequence
WAMLGVAGML LPEVFTKIGI I

Sequence Positions
102-122

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

Host
E Coli or Yeast or Baculovirus or Mammalian Cell

Molecular Weight
27,734 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
Chlorophyll a-b binding protein

NCBI Accession
NP_190331.3

NCBI GI
30692874

NCBI GenBank Nucleotide
NM_114615.4

NCBI GeneID
823901

NCBI Official Full Name
light-harvesting chlorophyll-protein complex I subunit A4

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NCBI Official Symbol
LHCA4

NCBI Official Synonym Symbols
CAB4; LHCI-730; light-harvesting chlorophyll-protein complex I subunit A4

NCBI Protein Information
light-harvesting chlorophyll-protein complex I subunit A4

NCBI Summary
Encodes a chlorophyll a/b-binding protein that is more similar to the PSI Cab proteins than the PSII cab proteins. The predicted protein is about 20 amino acids shorter than most known Cab proteins.

UniProt Gene Name
LHCA4

UniProt Protein Name
Chlorophyll a-b binding protein 4, chloroplastic

UniProt Synonym Protein Names
LHCI type III CAB-4

UniProt Primary Accession
P27521

UniProt Related Accession
P27521

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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