Chlorophyll a-b binding protein 3 (LHCB1.2), Recombinant Protein

CD BioSciences
Plant Protein

Cat *RP08683*

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

Species
Arabidopsis thaliana (Mouse-ear cress)

Full Product Name
Recombinant Arabidopsis thaliana Chlorophyll a-b binding protein 3, chloroplastic (LHCB1.2)

Product Gene Name
LHCB1.2 recombinant protein

Product Synonym Gene Name
AB180; CAB3; LHCP-A

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

Sequence
RKTVAKPKGP SGSPWYGSDR VKYLGPFSGE SPSYLTGEFP GDYGWDTAGL SADPETFARN RELEVIHSRW AMLGALGCVF PELLARNGVK FGEAVWFKAG SQIFSDGGLD YLGNPSLVHA QSILAIWATQ VILMGAVEGY RVAGNGPLGE AEDLLYPGGS FDPLGLATDP EAFAELKVKE LKNGRLAMFS MFGFFVQAIV TGKGPIENLA DHLADPVNNN AWAFATNFVP GK

Sequence Positions
36-267aa; full length protein

Format
Liquid containing glycerol

Host
Cell Free Expression

Molecular Weight
28,227 Da

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

Protein Family
Chlorophyll a-b binding protein

NCBI Accession
NP_564339.1

NCBI GI
18397286

NCBI GenBank Nucleotide
NM_102731.2

NCBI GeneID

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839869

NCBI Official Full Name
chlorophyll A/B binding protein 3

NCBI Official Symbol
CAB3

NCBI Official Synonym Symbols
AB180; CAB3; CELLULOSE SYNTHASE LIKE B3; chlorophyll A/B binding protein 3; CSLB3; F1N18.5; LHCB1.2; LIGHT HARVESTING CHLOROPHYLL A/B BINDING PROTEIN 1.2

NCBI Protein Information
chlorophyll A/B binding protein 3

NCBI Summary
member of Chlorophyll a/b-binding protein family

UniProt Gene Name
LHCB1.2

UniProt Synonym Gene Names
AB180; CAB3; LHCP-A; CAB-180

UniProt Protein Name
Chlorophyll a-b binding protein 3, chloroplastic

UniProt Synonym Protein Names
Chlorophyll a-b protein 180; CAB-180; LHCII type I CAB-3

UniProt Entry Name
CB1B_ARATH

UniProt Primary Accession
Q8VZ87

UniProt Secondary Accession
P04777; P83754

UniProt Related Accession
Q8VZ87

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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