

Calcineurin B-like protein 6 (CBL6), Recombinant Protein

Cat *RP01958*

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)/ 1

Species mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg
(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-
Arabidopsis thaliana (Mouse-ear cress)
Cell)

Full Product Name

Recombinant Arabidopsis thaliana Calcineurin B-like protein 6 (CBL6)

Product Gene Name

CBL6 recombinant protein

Product Synonym Gene Name

CBL6

Purity

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

Sequence

MMMQCLDGLK HLAILLTCC DADPPKVRQN PKDVARGTVF TVNEIEALYE LFKSISKNGL IDKEQFQLVL
FKMNTTRSLF ADRVFDLFD T KNTGILDFEA FARSLSVFHP NAKFEDKIEF SFKLYDLNQQ GYIKRQEVKQ
MVRTLAESG MNLSHDVIES IIDKTFEEAD TKLDGKIDKE EWRSLVLRHP SLLQNMSLQH LKDVTKTFFPN
FVFHTIVTDT PSELDG

Sequence Positions

1-226, 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

26,029 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

Calcineurin B-like protein

NCBI Accession

NP_001328805.1

NCBI GI

1063722925

NCBI GenBank Nucleotide

NM_001341098.1

NCBI GeneID

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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(Yeast)/ 0.02 mg (Baculovirus)/ 0.02 mg (Mammalian-Cell)/ 1

827330 mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg

(Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-

Cell)
calcineurin B-like protein 6

NCBI Official Symbol

CBL6

NCBI Official Synonym Symbols

calcineurin B-like protein 6; DL4205C; FCAALL.89; SCABP2; SOS3-LIKE CALCIUM BINDING PROTEIN 2

NCBI Protein Information

calcineurin B-like protein 6

NCBI Summary

Calcium sensor protein. Binds CIPK14.

UniProt Gene Name

CBL6

UniProt Synonym Gene Names

SCABP2

UniProt Protein Name

Calcineurin B-like protein 6

UniProt Synonym Protein Names

SOS3-like calcium-binding protein 2

UniProt Primary Accession

Q9C5P6

UniProt Secondary Accession

O23480; Q9FVF2

UniProt Related Accession

Q9C5P6

UniProt Comments

Acts as a calcium sensor. CBL proteins interact with CIPK serine-threonine protein kinases. Binding of a CBL protein to the regulatory NAF domain of a CIPK protein lead to the activation of the kinase in a calcium-dependent manner.

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY