

# Calcium-binding protein CML42 (CML42), Recombinant Protein

**Cat** RP05135

**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-Cell)  
Arabidopsis thaliana (Mouse-ear cress)

## Full Product Name

Recombinant Arabidopsis thaliana Calcium-binding protein CML42 (CML42)

## Product Gene Name

CML42 recombinant protein

## Product Synonym Gene Name

CML42

## Purity

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

## Sequence

MESNNNEKKK VARQSSSFRL RSPSLNALRL QRIFDLFDKN GDGFITVEEL SQALTRLGLN ADLSDLKSTV  
ESYIQPGNTG LNFDDFSSLH KTLDDSFVGG ACGGGENEDD PSSAAENESD LAEAFKFVDE NGDGFISARE  
LQTVLKKLGL PEGGEMERVE KMIVSVDRNQ DGRVDFFEFK NMMRTVVIPS S

## Sequence Positions

1-191, 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

21,147 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

Calcium-binding protein

## NCBI Accession #

NP\_193810.1

## NCBI GI #

15233402

## NCBI GenBank Nucleotide #

NM\_118196.4

## NCBI GenelD

827826

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

# Calcium-binding protein CML42 (CML42), Recombinant Protein



CD BioSciences

Plant Protein

Cat RP05135

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

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian- calmodulin like 42 Cell)

## NCBI Official Full Name

CML42

## NCBI Official Synonym Symbols

calmodulin like 42; F21C20.130; F21C20\_130

## NCBI Protein Information

calmodulin like 42

## NCBI Summary

Calcium sensor involved in trichome branching.

## UniProt Gene Name

CML42

## UniProt Protein Name

Calcium-binding protein CML42

## UniProt Synonym Protein Names

Calmodulin-like protein 42

## UniProt Primary Accession #

Q9SVG9

## UniProt Related Accession #

Q9SVG9

## UniProt Comments

Probable calcium sensor that binds calcium in vitro. Involved in the regulation of trichome branching.

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