

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

mg (E-Coli)/ 0.1 mg (Baculovirus)/ 1 mg (Yeast)/ 0.1 mg (Mammalian-Cell)/ 1 mg (Baculovirus)/ 0.5 mg (Mammalian-Cell)
Species 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 KTLDDSFEGG ACGGGENEDD PSSAAENESD LAEAFKVFDE 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 GeneID

827826

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY

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

NCBI Official Full Name

calmodulin like 42

NCBI Official Symbol

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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