

# Calmodulin-1 (CAM1-1), Recombinant Protein

Cat      *RP13513*

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-  
Oryza sativa subsp. japonica (Rice)  
Cell)

## Full Product Name

Recombinant Oryza sativa subsp. japonica Calmodulin-1 (CAM1-1)

## Product Gene Name

CAM1-1 recombinant protein

## Product Synonym Gene Name

CAM1-1

## Purity

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

## Sequence

ADQLTDDQIA EFKEAFSLFD KDGDGCITTK ELGTVMRS LG QNPTEAELQD MINEVDADGN GTIDFPEFLN  
LMARKMKD TD SEEELKEAFR VFDKDQNGFI SAAELRHVMT NLGEKLTDEE VDEMIREADV DGDGQINYEE  
FVKVMMAK

## Sequence Positions

2-149, 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

16,832 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.

## NCBI Accession #

XP\_015622341.1

## NCBI GI #

1002236289

## NCBI GenBank Nucleotide #

XM\_015766855.1

## NCBI GeneID

4324384

## NCBI Official Full Name

calmodulin

**FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY**

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Cell)  
LOC4324384

## NCBI Official Symbol

## NCBI Official Synonym Symbols

CAM; CAM1; CaM-1; CAM1-1; CAM1-2; CAM1-3; OsJ\_001186; OsJ\_010214; OsJ\_024630; OJ1150\_E04.120-1;  
OJ1200\_C08.124-1

## NCBI Protein Information

calmodulin

## UniProt Gene Name

CAM1-1

## UniProt Synonym Gene Names

CaM-1

## UniProt Protein Name

Calmodulin-1

## UniProt Primary Accession #

Q0JNS6

## UniProt Secondary Accession #

O49184; P29612; Q10M88; Q7F8I8; A2ZRL4; A3BNK8; B7EHB8

## UniProt Related Accession #

Q0JNS6

## UniProt Comments

Calmodulin mediates the control of a large number of enzymes, ion channels and other proteins by Ca<sup>2+</sup>. Among the enzymes to be stimulated by the calmodulin-Ca<sup>2+</sup> complex are a number of protein kinases and phosphatases.

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