CALM2
Recombinant Human Calmodulin

Catalog No.	CRC005A	**Quantity:**	10 µg
	CRC005B		50 µg
	CRC005C		1.0 mg

Alternate Names: Calmodulin, CaM, CALM2, PHKD, CAMII, PHKD2, calmodulin 2, phosphorylase kinase delta.

Description: Calmodulin (CaM) is an intracellular receptor protein for Ca2+-ions. It activates the myosin light chain kinase which is the catalyst of myosin phosphorylation. CaM participates in the activation of enzymes such as cyclic nucleotide- dependent phosphodiesterase, calcineurin, ATPase, Myosin Light Chain Kinases, and CAM kinase. Description Calmodulin Human Recombinant full length protein expressed in E.coli, having a Molecular Weight of approximately 16 kDa.

Concentration: 1 mg/ml

GeneID: 805

Protein Accession No: NP_001734

Source: *E. coli*

Formulation: Sterile filtered liquid in 20 mM HEPES-KOH, pH 7.0 + 50 mM NaCl + 1 mM EDTA + 1 mM DTT

Purity: > 90% as determined by SDS-PAGE analysis

Endotoxin Level: < 0.1 ng/µg of CALM1

Biological Activity: Assayed for calcium binding and activation of MLCK.

Amino Acid Sequence: MADQLTEEQI AEFKEAFSLF DKDGDGTITT KELGTVMRSL GQNPTEAELQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGY ISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQ

Applications: ELISA
Inhibition Assays
Western Blot
The optimal concentration should be determined by the user for each specific application.

Storage & Stability: Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.
Avoid repeated freeze-thaw cycles.

NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.

Cell Sciences®
480 Neponset Street
Bldg 12A
Canton, MA 02021

Toll Free: 888-769-1246
Phone: 781-828-0610
Fax: 781-828-0542

E-mail: info@cellsciences.com
Website: www.cellsciences.com