Recombinant Human Calmodulin 2 (Phosphorylase Kinase, Delta)

Cat. No. CALM2-342H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human Calmodulin was expressed in E.coli and purified by conventional chromatography techniques (149 aa, 16 kDa).
Species	Human
Source	E.coli
Description	Calmodulin has been known to act as an intracellular calcium sensor protein. When the intracellular Ca2+ concentration increases, calmodulin can bind up to four Ca2+, changing its conformation and regulating cellular functions such as activation or inhibition of a large number of enzymes, ion channels, and receptors.
Formulation	Liquid. In 20 mM Tris-HCl buffer (pH 7.5).
Molecular Weight	16 kDa (149 aa).
Purity	> 90% by SDS – PAGE.
Concentration	1 mg/ml (determined by Bradford assay).
Sequence	MADQLTEEQI AEFKEAFSLF DKDGDGTITT KELGTVMRSL GQNPTEAELQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGY ISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQVNYE EFVQMMTAK

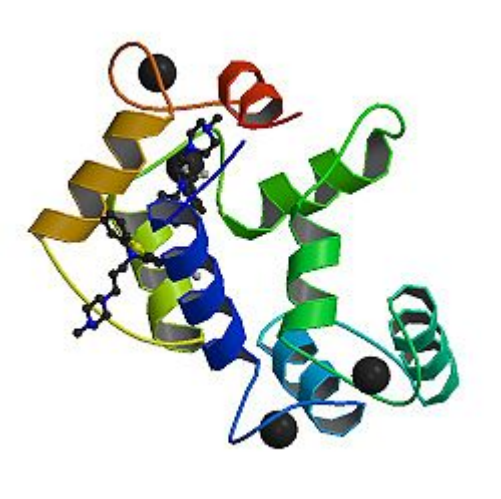
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Storage	Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

GENE INFORMATION

Gene Name	CALM2
Synonyms	CALM2; calmodulin 2 (phosphorylase kinase, delta); CALM; CAM; CAM1; CAM2; CAM3; CAMB; CAMC; CAMII; CAMIII; CaM; FLJ99410; PHKD; PHKD2; CALM2 calmodulin 2 (phosphorylase kinase, delta); LP7057 protein; calmodulin 2; phosphorylase kinase delta.
Gene ID	805
mRNA Refseq	NM_001743.4
Protein Refseq	NP_001734.1
MIM	114182
UniProt ID	P62158
Chromosome Location	2p21
Pathway	Calcium signaling pathway; Glioma; GnRH signaling pathway; Huntington"s disease; Insulin signaling pathway; Long-term potentiation; Melanogenesis; Olfactory transduction; Phosphatidylinositol signaling system.

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PDBrendering based on 1a29.Available structures:1a29,1ahr,1a	 **71,1fw4**

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