

AR05028PU-N**Bovine Calmodulin - Purified****Alternate names:**

CALM, CALM1, CAM, CAM1

Quantity:

1 mg

Background:

Calmodulin mediates the control of a large number of enzymes and other proteins by Ca(2+). Among the enzymes to be stimulated by the calmodulin Ca(2+) complex are a number of protein kinases and phosphatases. Calmodulin has four functional calcium binding sites.

Uniprot ID:[P62157](#)**NCBI:**[NP_001039714.1](#)**GeneID:**[100297344](#)**Species:**

Bovine

Source:

Bovine

Format:**State:** Lyophilized purified protein**Purity:** Purified by ion-exchange chromatography followed by gel-filtration. - > 95%. Determined by SDS-PAGE.**Buffer System:** 2 mM EDTA**Applications:**

ELISA.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description:

Purified Calmodulin from bovine brain. Calmodulin is a ubiquitous protein found in all eukaryote cells that is involved with the control of a large number of calcium sensitive enzymes.

Biological Activity: More than 40,000 units per 1 mg of protein.

One unit will stimulate 0.016 activated units of phosphodiesterase, 3'5'-cyclic nucleotide, P 0520, to 50% of the maximum activity of the enzyme when saturated with activator.

Molecular weight: 16.6 kDa**Storage:**

Store the protein at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.