

Datasheet: 1740-2384

BATCH NUMBER 167545

Description:	NATIVE BOVINE CALMODULIN
Name:	CALMODULIN
Format:	Purified
Product Type:	Purified Protein
Quantity:	1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
ELISA	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Bovine
Product Form	Purified calmodulin from bovine brain - lyophilized
Reconstitution	Reconstitute to a concentration of 0.1 - 1.0 mg/ml in distilled water. Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. Bio-Rad recommend that the vial is gently mixed after reconstitution.
Preparation	Purified by ion-exchange chromatography followed by gel-filtration
Preservative Stabilisers	2 mM EDTA.
External Database Links	<p>UniProt: P62157 Related reagents</p> <p>Entrez Gene: 326597 CALM Related reagents</p>

Synonyms CAM

Product Information Calmodulin is a ubiquitous 16.6 kDa protein found in all eukaryote cells that is involved with the control of a large number of calcium sensitive enzymes. It can bind to and regulate a number of different protein targets, thereby affecting many different cellular functions.

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.

Purity > 95%. Determined by SDS-PAGE.

Storage Prior to reconstitution store at -20°C.
After reconstitution store at -20°C.
Storage in frost-free freezers is not recommended. This product should be stored undiluted. Avoid repeated freezing and thawing as this may denature the protein.

Guarantee Guaranteed until date of expiry. Please see product label.

Health And Safety Information Material Safety Datasheet documentation #10139 available at: <https://www.bio-rad-antibodies.com/SDS/1740-2384>
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Regulatory For research purposes only

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To find a batch/lot specific datasheet for this product, please use our online search tool at: [bio-rad-antibodies.com/datasheets](https://www.bio-rad-antibodies.com/datasheets)

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