

Datasheet: 1740-2384

**BATCH NUMBER 158571**

<b>Description:</b>	NATIVE BOVINE CALMODULIN
<b>Name:</b>	CALMODULIN
<b>Format:</b>	Purified
<b>Product Type:</b>	Purified Protein
<b>Quantity:</b>	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](http://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.

<b>Target Species</b>	Bovine
<b>Product Form</b>	Purified calmodulin from bovine brain - lyophilized
<b>Reconstitution</b>	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.
<b>Preparation</b>	Purified by ion-exchange chromatography followed by gel-filtration
<b>Preservative Stabilisers</b>	2 mM EDTA.
<b>External Database Links</b>	<b>UniProt:</b> <a href="#">P62157</a> <a href="#">Related reagents</a>  <b>Entrez Gene:</b> <a href="#">326597</a> CALM <a href="#">Related reagents</a>

**Synonyms** CAM

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**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.

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**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.

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**Purity** > 95%. Determined by SDS-PAGE.

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**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.

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

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**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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