

Product datasheet

Native Cow Calmodulin 1/2/3 protein (Biotin) ab168052

Description

Product name	Native Cow Calmodulin 1/2/3 protein (Biotin)	
Expression system	Native	
Accession	P62157	
Protein length	Full length protein	
Animal free	No	
Nature	Native	
Species	Cow	
Sequence	ADQLTEEQIAEFKEAFSLFDKDGDTITTKELGTVMRS LGQNPTEAELQD MINEVDADGNGTIDFPEFLTMMARKMKDTSSEEEIREA FRVFDKDGNGYI SAAELRHVMTNLGEKLTDEEVDEMIREADIDGDGQVN YEEFVQMMTAK	
Predicted molecular weight	17 kDa	
Amino acids	2 to 149	
Additional sequence information	Source = bovine brain	
Conjugation	Biotin	

Specifications

Our [Abpromise guarantee](#) covers the use of **ab168052** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	Western blot
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles. Preservative: 0.02% Sodium azide Constituents: 99% PBS, 0.1% BSA
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General Info

Relevance

Function: 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. Together with CEP110 and centrin, is involved in a genetic pathway that regulates the centrosome cycle and progression through cytokinesis.

Cellular localization

Cytoplasm > cytoskeleton > spindle. Cytoplasm > cytoskeleton > spindle pole. Distributed throughout the cell during interphase, but during mitosis becomes dramatically localized to the spindle poles and the spindle microtubules.

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