

CALMODULIN Active Protein | CALM3 active protein

NATIVE BOVINE CALMODULIN

CATALOG # AAA50491	APPLICATIONS ELISA
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PRODUCT SYNONYMS

CALMODULIN; NATIVE BOVINE CALMODULIN; CALM3 active protein

PRODUCT SPECIFICATIONS

Purity/Purification	> 95%. Determined by SDS-PAGE.
Form/Format	Purified Purified calmodulin from bovine brain - lyophilised
Sequence Length	149
Applicable Applications for CALM3 active protein	ELISA
Reconstitution	Reconstitute to a concentration of 0.1 - 1 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. AAA Biotech recommends that the vial is gently mixed after reconstitution. Perservative Stabilisers
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.
Target Species	Bovine
Preparation and Storage	Prior to reconstitution store at -20 degree C. After reconstitution store at -20 degree 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. Shelf Life: 12 months from date of reconstitution.

ADDITIONAL INFORMATION

Related Product Information for CALM3 active protein	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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NCBI AND UNIPROT INFORMATION

NCBI GI #	114053089
NCBI GeneID	520277
NCBI Accession #	NP_001039714.1
NCBI GenBank Nucleotide #	NM_001046249.2
UniProt Accession #	P62157; P02593; P70667; P99014; Q08D84; Q2KJE6; Q61379; Q61380
Molecular Weight	16,838 Da
NCBI Official Full Name	calmodulin

NCBI Official Synonym Full Names	calmodulin 3 (phosphorylase kinase, delta)
NCBI Official Symbol	CALM3
NCBI Protein Information	calmodulin
UniProt Protein Name	Calmodulin
UniProt Gene Name	CALM
UniProt Synonym Gene Names	CAM; CaM
UniProt Entry Name	CALM_BOVIN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/active-protein/calmodulin/50491>