# abcam

### Product datasheet

# Recombinant Human Calmodulin 1/2/3 protein ab78694

## 1 Image

#### **Description**

Product name Recombinant Human Calmodulin 1/2/3 protein

Purity > 90 % SDS-PAGE.

ab78694 is purified by using anion-exchange chromatography (DEAE sepharose resin) and gel-

filtration chromatography (Sephacryl S-200) with 20mM Tris pH 7.5, 2mM EDTA.

Expression system Escherichia coli

Protein length Full length protein

Animal free No

**Nature** Recombinant

**Species** Human

Sequence MADQLTEEQLAEFKEAFSLF DKDGDGTITT

KELGTVMRSL GQNPTEAELQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGY ISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQVNYE EFVQMMTAK

#### **Specifications**

Our **Abpromise guarantee** covers the use of **ab78694** in the following tested applications.

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

**Applications** SDS-PAGE

Form Liquid

#### **Preparation and Storage**

**Stability and Storage** Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.

pH: 7.50

Constituent: 0.242% Tris

#### General Info

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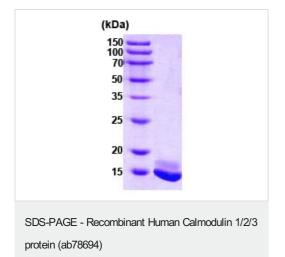
#### Relevance

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.

#### **Images**



15% SDS-PAGE showing ab78694 at approximately 18kDa (3µg).

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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