

Datasheet for ABIN6699569  
**SNAP91 Protein (His tag)**



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## Overview

Quantity:	20 µg
Target:	SNAP91
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This SNAP91 protein is labelled with His tag.
Application:	Western Blotting (WB)

## Product Details

Purpose:	Calmodulin recombinant protein-HIS Epitope
Purification:	Recombinant full-length human Calmodulin1 was expressed in E. coli cells using an N-Terminal his epitope. The purity was determined to be >95% by densitometry.
Purity:	>95%

## Target Details

Target:	SNAP91
Alternative Name:	CALM ( <a href="#">SNAP91 Products</a> )
Background:	Synonyms: CALM1, CALML2, CAMI, DD132, PHKD, Calmodulin, CaM, CALM, CAM, CAM1, CALM2, CAM2, CAMB, CALM3, CAM3, CAMC, CAMIII Background: Calmodulin 1 is a member of calcium-modulated proteins which is present in the cytosol and on membranes facing the cytosol and has a high affinity for calcium. Calmodulin 1

## Target Details

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has 4 calcium-binding domains and plays a role in cell growth, cell cycle, signal transduction and the synthesis and release of neurotransmitters. Calmodulin can bind to the epidermal growth factor receptor at its cytosolic juxtamembrane region and this inhibits its tyrosine kinase activity (1). A number of other proteins including HSP70 have been shown to interact with Calmodulin 1 in a cell-phase-specific manner (2). Calmodulin 1 Protein is ideal for investigators involved in Signaling Proteins, Cellular Proteins, Cardiovascular Disease, ERK/MAPK Pathway, Neurobiology, and PKA/PKC Pathway research.

NCBI Accession: [NM\\_006888](#)

## Application Details

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Application Notes: Western\_Blot\_Dilution: User Optimized  
Other: Kinase Assay-User Optimized  
Application\_Note: Calmodulin 1 Protein is suitable for use in Western Blot. Expect a band approximately ~ 17 kDa on specific lysates or tissues. Specific conditions for reactivity should be optimized by the end user.

Restrictions: For Research Use only

## Handling

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Format: Liquid

Concentration: 0.2 µg/µL

Buffer: Calmodulin 1 Protein is stored in 50 mM sodium phosphate, pH 7.0, 300 mM NaCl, 150 mM imidazole, 0.1 mM PMSF, 0.25 mM DTT, 25 % glycerol.

Storage: -80 °C

Storage Comment: Store product at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

Expiry Date: 12 months