

Datasheet for ABIN934968

Calmodulin 2 Protein (AA 1-149)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	Calmodulin 2 (Calm2)
Protein Characteristics:	AA 1-149
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MADQLTEEQI AEFKEAFSLF DKDGDGTITT KELGTVMRSL GQNPTEAELQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF RVFDKDGNGY ISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQVNYE EHVQMMTAK
Characteristics:	Purified recombinant Human Calmodulin 2 protein Expression System: E.coli Molecular weight on SDS-PAGE will appear higher.
Purity:	> 90 % pure

Target Details

Target:	Calmodulin 2 (Calm2)
Alternative Name:	Calmodulin 2 (Calm2 Products)
Background:	Calmodulin has been known to act as an intracellular calcium sensor protein. When the

Target Details

intracellular Ca²⁺ concentration increases, calmodulin can bind up to four Ca²⁺, changing its conformation and regulating cellular functions such as activation or inhibition of a large number of enzymes, ion channels, and receptors. Recombinant human Calmodulin was expressed in E. coli and purified by conventional chromatography techniques.

Alternative Names: PHKD protein, Calmodulin 2 protein, LP7057 protein protein, Calmodulin -2 protein, Calmodulin 2, CAMII protein, CAM II protein, Calmodulin 2 protein, Phosphorylase kinase delta protein, PHKD2 protein, Calmodulin 2, CALM 2 protein, Calmodulin2 protein, Calmodulin -2, PHKD 2 protein, Calmodulin-2

Molecular Weight: 16 kDa (149 AA)

Pathways: [RTK Signaling](#), [Interferon-gamma Pathway](#), [Fc-epsilon Receptor Signaling Pathway](#), [cAMP Metabolic Process](#), [Myometrial Relaxation and Contraction](#), [Cellular Glucan Metabolic Process](#), [Regulation of G-Protein Coupled Receptor Protein Signaling](#), [G-protein mediated Events](#), [Signaling Events mediated by VEGFR1 and VEGFR2](#), [Interaction of EGFR with phospholipase C-gamma](#), [Phototransduction](#), [Negative Regulation of Transporter Activity](#), [VEGFR1 Specific Signals](#), [BCR Signaling](#)

Application Details

Application Notes: Calmodulin 2 protein has been used in SDS PAGE and may be suitable for use in other assays to be determined by the end user.

Restrictions: For Research Use only

Handling

Format: Liquid

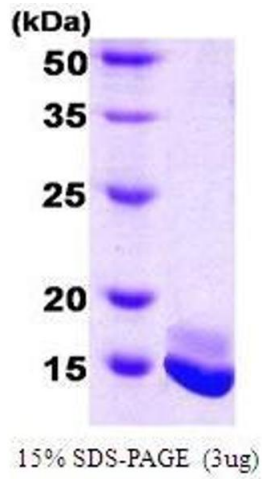
Concentration: 1 mg/mL

Buffer: Supplied as a liquid in 20 mM Tris, pH 7.5.

Handling Advice: Avoid repeated freeze/thaw cycles.

Storage: RT/-20 °C

Storage Comment: Store at 4 °C for short term storage (1/2 weeks). Aliquot and store at -20 °C or -70 °C for long term storage.



SDS-PAGE

Image 1. Figure annotation denotes ug of protein loaded and % gel used.