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## Calmodulin 1 Protein (Calm1) (Myc-DYKDDDDK Tag)





Overview	
Quantity:	20 μg
Target:	Calmodulin 1 (Calm1)
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Calmodulin 1 protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)
Product Details	
Characteristics:	<ul> <li>Recombinant human Calmodulin protein expressed in HEK293 cells.</li> <li>Produced with end-sequenced ORF clone</li> </ul>
Purity:	> 80 % as determined by SDS-PAGE and Coomassie blue staining
Target Details	
Target:	Calmodulin 1 (Calm1)
Alternative Name:	Calmodulin (Calm1 Products)
Background:	This gene encodes a member of a family of proteins that binds calcium and functions as a enzymatic co-factor. Activity of this protein is important in the regulation of the cell cycle and cytokinesis. Multiple alternatively spliced transcript variants have been observed at this gene.
Molecular Weight:	16.7 kDa

## **Target Details**

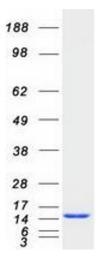
NCBI Accession:	NP_005175
Pathways:	cAMP Metabolic Process, Myometrial Relaxation and Contraction, G-protein mediated Events,
	Interaction of EGFR with phospholipase C-gamma, Phototransduction, BCR Signaling
Application Details	

Application Notes:	Recombinant human proteins can be used for:
	Native antigens for optimized antibody production
	Positive controls in ELISA and other antibody assays
Comment:	The tag is located at the C-terminal.
Restrictions:	For Research Use only

## Handling

Concentration:	50 μg/mL
Buffer:	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.
Storage:	-80 °C
Storage Comment:	Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.

### **Images**



## **Western Blotting**

Image 1. Validation with Western Blot