

Calmodulin1 Recombinant Protein | CALM1 recombinant protein

Calmodulin1 recombinant protein

CATALOG # AAA72926	HOST E Coli	APPLICATIONS Western Blot
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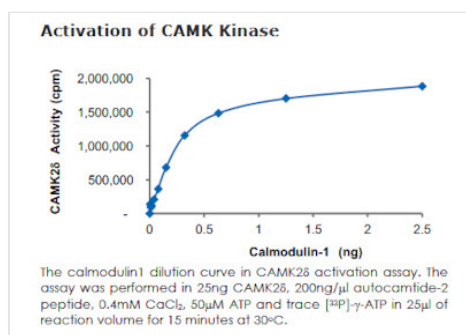
PRODUCT SYNONYMS

Calmodulin1; Calmodulin1 recombinant protein; CALM1; CALML2; CAMI; DD132; PHKD; Calmodulin 1 Protein; CALM1 recombinant protein

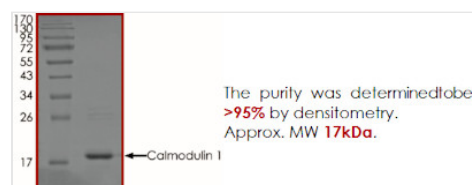
PRODUCT SPECIFICATIONS

Host	E Coli
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Sequence Length	4268
Applicable Applications for CALM1 recombinant protein	WB (Western Blot), Kinase Assay
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	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.

IMAGES



SDS-PAGE



FCM/FACS (Flow Cytometry)

ADDITIONAL INFORMATION

Related Product Information for CALM1 recombinant protein	Recombinant full-length human calmodulin1 was expressed in E.coli cells using an N-terminal His tag. The gene accession number is NM_006888. Scientific 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 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. A number of other proteins including HSP70 have been shown to interact with Calmodulin 1 in a cell-phase-specific manner.
Product Categories/Family for CALM1 recombinant protein	Cellular Proteins; Signaling Proteins - Cellular Proteins

References	1. Li, H. et al: Endogenous calmodulin interacts with the epidermal growth factor receptor in living cells. FEBS Lett. 2004 Feb 13;559(1-3):175-80. 2. Huang, M. et al: The association of CaM and Hsp70 regulates S-phase arrest and apoptosis in a spatially and temporally dependent manner in human cells. Cell Stress Chaperones. 2009 Jul;14(4):343-53.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	260656023
NCBI GeneID	801
NCBI Accession #	NP_008819.1
NCBI GenBank Nucleotide #	NM_006888
UniProt Accession #	P62158; P02593; P70667; P99014; Q13942; Q53S29; Q61379; Q61380; Q96HK3
NCBI Official Full Name	Homo sapiens calmodulin 1 (phosphorylase kinase, delta) (CALM1), mRNA
NCBI Official Synonym Full Names	calmodulin 1 (phosphorylase kinase, delta)
NCBI Official Symbol	CALM1
NCBI Official Synonym Symbols	caM; CAMI; PHKD; CPVT4; DD132; CALML2
NCBI Protein Information	calmodulin; prepro-calmodulin 1; phosphorylase kinase, delta subunit
UniProt Protein Name	Calmodulin
UniProt Gene Name	CALM1
UniProt Synonym Gene Names	CALM; CAM; CAM1; CaM
UniProt Entry Name	CALM_HUMAN

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/calm1-recombinant-protein-e-coli-wb-western-blot-kinase-assay/72926>