

Calmodulin (CAM) Recombinant Protein | CAM recombinant protein

Recombinant Calmodulin (CAM)

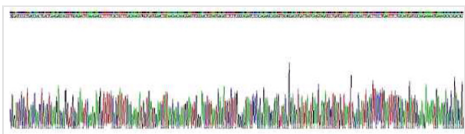
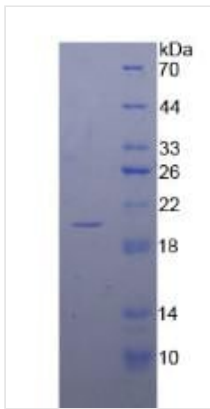
CATALOG # AAA135572	HOST E.coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Calmodulin (CAM); Recombinant Calmodulin (CAM); CAM recombinant protein

PRODUCT SPECIFICATIONS

Host	E.coli
Purity/Purification	> 90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose.
Concentration	Original Concentration: 200ug/mL (varies by lot)
Sequence	ADQLTEEQIA EFKEAFSLFD KDGDGTITTK ELGTVMRS LG QNPTEAELQD MINEVDADGN GTIDFPEFLT MMARKMKD TD SEEEIREAFR VFDKDGNGYI SAAELRHVMT NLGEKLTDEE VDEMIREADI DGDGQVNYEE FVQMMTAK
Applicable Applications for CAM recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Organism Species	Homo sapiens (Human)
Source	Prokaryotic expression
Residues	Ala2~Lys149
Tags	N-terminal His Tag
Subcellular Location	Cytoplasm
Traits	Freeze-dried powder
Predicted isoelectric point	4.5
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.



Sequence
Figure. Gene Sequencing (extract

SDS-PAGE
Figure. SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	4502549
NCBI GeneID	805
NCBI Accession #	NP_001734.1
NCBI GenBank Nucleotide #	NM_001743.4
UniProt Accession #	P62158; P02593; P70667; P99014; Q13942; Q53S29; Q61379; Q61380; Q96HK3
Molecular Weight	Predicted Molecular Mass: 20.4kDa Accurate Molecular Mass: 20kDa as determined by SDS-PAGE reducing conditions.
NCBI Official Full Name	calmodulin
NCBI Official Synonym Full Names	calmodulin 2 (phosphorylase kinase, delta)
NCBI Official Symbol	CALM2
NCBI Official Synonym Symbols	PHKD; CAMII; PHKD2
NCBI Protein Information	calmodulin; caM; LP7057 protein; prepro-calmodulin 2; phosphorylase kinase delta
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.

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Online datasheet: <https://stage.aaabiotech.com/calm1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/135572>