

## CALM2 Human 135 a.a

**Description:**CALM2 Human Recombinant full length protein expressed in E.coli, containing 135 amino acids and having a Molecular Weight of approximately 16 kDa. The Accession number is NP\_001734.

**Catalog #:**PRPS-377

**Synonyms:**CALM2, CAM2, CAMB, CAMII, PHKD2, calmodulin 2.

For research use only.

**Source:**Escherichia Coli.

**Physical Appearance:**Sterile Filtered clear solution.

**Amino Acid Sequence:**MADQLTEEQI AEFKEAFSLF DKDGDGTITT KELGTVMRSL  
GQNPTAEALQ DMINEVDADG NGTIDFPEFL TMMARKMKDT DSEEEIREAF  
RVFDKDGNGYISAAELRHVM TNLGEKLTDE EVDEMIREAD IDGDGQ.

**Purity:**Greater than 90% as determined by SDS-PAGE.

**Formulation:**

CALM2 at 1mg/ml in 20mM HEPES-KOH, pH7, 50mM NaCl, 1mM EDTA and 1mM DTT.

**Stability:**

Store vial at -20°C to -80°C. When stored at the recommended temperature, this protein is stable for 12 months.Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Calmodulin (CaM) is an intracellular receptor protein for Ca<sup>2+</sup>-ions. It activates the myosin light chain kinase which is the catalyst of myosin phosphorylation. CaM participates in the activation of enzymes such as cyclic nucleotide- dependent phosphodiesterase, calcineurin, ATPase, Myosin Light Chain Kinases, and CAM kinase.

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