

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

For research use only.

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

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 Ca²⁺-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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