Recombinant Human CALM1 Protein, His-tagged

Cat. No. CALM1-2721H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALM1 Protein (Ala2-Lys149) with N-His tag was expressed in 293F.
Species	Human
Source	HEK293
ProteinLength	Ala2-Lys149
Description	This gene encodes one of three calmodulin proteins which are members of the EF-hand calcium-binding protein family. Calcium-induced activation of calmodulin regulates and modulates the function of cardiac ion channels. Two pseudogenes have been identified on chromosome 7 and X. Multiple transcript variants encoding different isoforms have been found for this gene.A missense mutation in the CALM1 gene has been associated with ventricular tachycardia.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 18.3 kDa Accurate Molecular Mass: 18 kDa
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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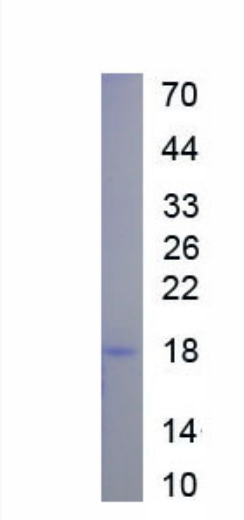
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	CALM1 calmodulin 1 [Homo sapiens (human)]
Official Symbol	CALM1
Synonyms	Calmodulin; CAM; CALM1; calmodulin 1; caM; CAM2; CAM3; CAMB; CAMC; CAMI; PHKD; CPVT4; DD132; LQT14; PHKD1; CALML2; CAMIII; calmodulin-1; Calmodulin-2; Calmodulin-3; calmodulin 1 (phosphorylase kinase, delta); phosphorylase kinase subunit delta; phosphorylase kinase subunit delta 1; phosphorylase kinase, delta subunit; prepro-calmodulin 1; EC 2.7.11.19
Gene ID	801
mRNA Refseq	NM_006888
Protein Refseq	NP_008819

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MIM	114180
UniProt ID	P0DP23



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