

Recombinant Human CALM1 protein, His-tagged

Cat. No. CALM1-650H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALM1 aa. (Ala2~Lys149) fused with N-terminal His tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Ala2~Lys149
Description	This gene encodes a member of the EF-hand calcium-binding protein family. It is one of three genes which encode an identical calcium binding protein which is one of the four subunits of phosphorylase kinase. Two pseudogenes have been identified on chromosome 7 and X. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Freeze-dried powder
Molecular Mass	20kDa as determined by SDS-PAGE reducing conditions
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	>92%
Characteristic	The isoelectric point is 4.5.

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Applications	Positive Control; Immunogen; SDS-PAGE; WB
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°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.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Concentration	200g/mL
Storage buffer	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 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	CALM1; calmodulin 1; caM; CAMI; PHKD; CPVT4; DD132; LQT14; CALML2; calmodulin-1; calmodulin; calmodulin 1 (phosphorylase kinase, delta); phosphorylase kinase subunit delta; phosphorylase kinase, delta subunit; prepro-calmodulin 1
Gene ID	801
mRNA Refseq	NM_006888.4

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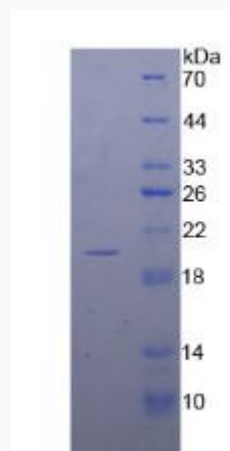
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Protein Refseq NP_008819.1

UniProt ID B4DJ51

SDS-PAGE



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