Recombinant Human CALM1 protein, His & GST-tagged

Cat. No. CALM1-7969H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CALM1 aa. (Met1~Lys149) fused with N-terminal His & GST tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Met1~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	44 kDa as determined by SDS-PAGE reducing conditions.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 4.9.

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Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate of the target protein. 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. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein 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.
Storage Buffer	Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

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
Protein Refseq	NP_008819.1

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UniProt ID	P0DP23

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