Recombinant Rat Cald1 protein, His & T7-tagged

Cat. No. Cald1-6815R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Cald1 aa. (Lys434~Val531 (Accession # Q62736)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Lys434~Val531
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 14.1kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 9.9.
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

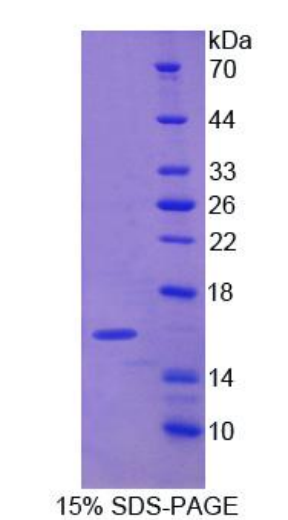
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	Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	Cald1 caldesmon 1 [Rattus norvegicus (Norway rat)]
Official Symbol	Cald1
Synonyms	l-Cad; CDM; L-caldesmon; h-caldesmon; non-muscle caldesmon
Gene ID	25687
mRNA Refseq	NM_013146.2
Protein Refseq	NP_037278.1
UniProt ID	Q62736

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SDS-PAGE	 15% SDS-PAGE

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