

Recombinant Rat Camk2a protein, His & T7-tagged

Cat. No. Camk2a-7975R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Camk2a aa. (Met1~His478 (Accession # P11275)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Met1~His478
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 57.8kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 6.6.
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 PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.

Reconstitution

Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name

Camk2a calcium/calmodulin-dependent protein kinase II alpha [*Rattus norvegicus* (Norway rat)]

Official Symbol

Camk2a

Synonyms

Camk2a; calcium/calmodulin-dependent protein kinase II alpha; PKCCD; PK2CDD; calcium/calmodulin-dependent protein kinase type II subunit alpha; Ca2+/calmodulin-dependent protein kinase II alpha; alpha CaM kinase II; caM kinase II subunit alpha; caM-kinase II alpha chain; caMK-II subunit alpha; calcium/calmodulin-dependent protein kinase (CaM kinase) II alpha; calcium/calmodulin-dependent protein kinase II alpha subunit; calcium/calmodulin-dependent protein kinase type II alpha chain

Gene ID

25400

mRNA Refseq

NM_012920.1

Protein Refseq

NP_037052.1

UniProt ID

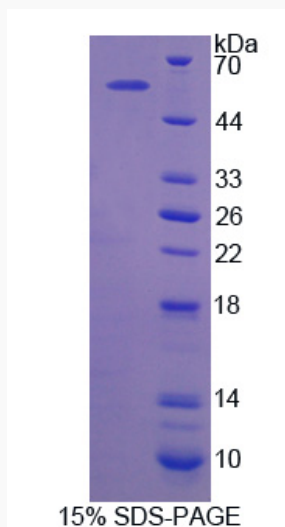
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SDS-PAGE



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