Recombinant Rat Camk2g protein, His & T7-tagged

Cat. No. Camk2g-667R **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Rat Camk2g aa. (Tyr14~Lys301 (Accession# P11730)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Rat
Source	E.coli
ProteinLength	Tyr14~Lys301
Description	Gamma chain of the CaM kinase II; involved in regulation of potassium currents, particularly in response to oxidative stress.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 36.7kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 8.1.
Applications	SDS-PAGE; WB; ELISA; IP
Stability	The thermal stability is described by the loss rate. The loss rate was determined by

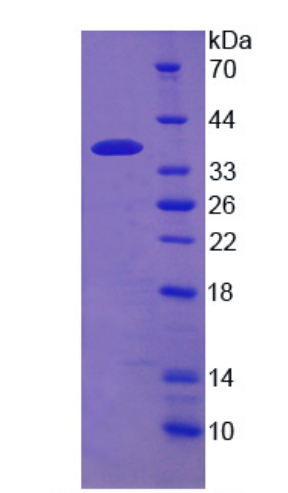
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	accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
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	Camk2g calcium/calmodulin-dependent protein kinase II gamma [Rattus norvegicus (Norway rat)]
Official Symbol	Camk2g
Synonyms	Camk2g; calcium/calmodulin-dependent protein kinase II gamma; calcium/calmodulin-dependent protein kinase type II subunit gamma; caM kinase II subunit gamma; caM-kinase II gamma chain; caMK-II subunit gamma; calcium/calmodulin-dependent protein kinase (CaM kinase) II gamma; calcium/calmodulin-dependent protein kinase type II gamma chain
Gene ID	171140
mRNA Refseq	NM_133605.1
Protein Refseq	NP_598289.1
UniProt ID	P11730

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SDS-PAGE	 15% SDS-PAGE

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