Recombinant Mouse Camkk1 Protein, Myc/DDK-tagged

Cat. No. Camkk1-1946M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length calcium/calmodulin-dependent protein kinase kinase 1, alpha (Camkk1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	Calcium/calmodulin-dependent protein kinase that belongs to a proposed calcium-triggered signaling cascade involved in a number of cellular processes. Phosphorylates CAMK1, CAMK1D, CAMK1G and CAMK4. Involved in regulating cell apoptosis. Promotes cell survival by phosphorylating AKT1/PKB that inhibits pro-apoptotic BAD/Bcl2-antagonist of cell death.
Molecular Mass	55.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Camkk1 calcium/calmodulin-dependent protein kinase kinase 1, alpha [Mus musculus (house mouse)]
Official Symbol	Camkk1
Synonyms	CAMKK1; calcium/calmodulin-dependent protein kinase kinase 1, alpha; calcium/calmodulin-dependent protein kinase kinase 1; caMKK 1; caM-KK 1; caMKK alpha; caM-KK alpha; caM-kinase kinase 1; caM-kinase IV kinase; caM-kinase kinase alpha; calcium calmodulin dependent protein kinase kinase alpha; calcium/calmodulin-dependent protein kinase kinase alpha; Camkk; AI846603; CaMKKalpha
Gene ID	55984
mRNA Refseq	NM_018883
Protein Refseq	NP_061371
UniProt ID	Q8VBY2

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