



# Recombinant Mouse Calcium/calmodulin-dependent protein kinase kinase 2 (Camkk2)

<b>Product Code</b>	CSB-EP805375MO-B
<b>Abbreviation</b>	Camkk2
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
<b>Uniprot No.</b>	Q8C078
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	SSCVSSQPT SDRVAPQDEL GSGGGSREGQ KPCEALRGLS SLSIHLGMES FIVVTECEPG RGVDLNLARD QPPEADGQEL PLEASDPESR SPLSGRKMSL QEPSQGGPAS SSNSLDMNGR CICPSLSYSP ASSPQSSPRM PRRPTVESHH VSITGLQDCV QLNQYTLKDE IGKGSYGVVK LAYNENDNTY YAMKVLSSKK LIRQAGFPRR PPRGARPAP GGCIQPRGPI EQVYQEIAIL KKLDPNVVK LVEVLDDPNE DHLYMVFEVLV NQGPVMEVPT LKPLSEDQAR FYFQDLIKGI EYLHYQKIIH RDIKPSNLLV GEDGHIKIAD FGVSNEFKGS DALLSNTVGT PAFMAPESLS ETRKIFSGKA LDVWAMGVTL YCFVFGQCPF MDERIMCLHS KIKSQALEFP DQPDIAEDLK DLITRMLDKN PESRIVVPEI KLHPWVTRHG AEPLPSEDEN CTLVEVTEEE VENSVKHIPS LATVILVKTM IRKRSFGNPF EGSRREERSL SAPGNLLTKK PTREWEPLSE PKEARQRRQP PGPRAGPCGG GGSALVKGGP CVESWGAPAP GSPPRMPPLQ PEEVMEPE
<b>Source</b>	E.coli
<b>Target Names</b>	Camkk2
<b>Protein Names</b>	Recommended name: Calcium/calmodulin-dependent protein kinase kinase 2 Short name= CaM-KK 2 Short name= CaM-kinase kinase 2 Short name= CaMKK 2 EC= 2.7.11.17 Alternative name(s): Calcium/calmodulin-dependent protein kin
<b>Expression Region</b>	2-588
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Target Details</b>	The product of this gene belongs to the Serine/Threonine protein kinase family, and to the Ca(2+)/calmodulin-dependent protein kinase subfamily. This protein plays a role in the calcium/calmodulin-dependent (CaM) kinase cascade by phosphorylating the downstream kinases CaMK1 and CaMK4. Seven transcript



variants encoding six distinct isoforms have been identified for this gene. Additional splice variants have been described but their full-length nature has not been determined. The identified isoforms exhibit a distinct ability to undergo autophosphorylation and to phosphorylate the downstream kinases.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

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