



Recombinant Human Calcium/calmodulin-dependent protein kinase kinase 2 (CAMKK2)

Product Code	CSB-MP822299HU
Abbreviation	CAMKK2
Storage	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.
Uniprot No.	Q96RR4
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	SSCVSSQPS SNRAAPQDEL GGRGSSSSSES QKPCEALRGL SLSIHLGME SFIVTECEP GCAVDLGLAR DRPLEADGQE VPLDTSGSQA RPHLSGRKLS LQERSQGGLA AGGSLDMNGR CICPSLPYSP VSSPQSSPRL PRRPTVESHV VSITGMQDCV QLNQYTLKDE IGKGSYGVVK LAYNENDNTY YAMKVLSSKKK LIRQAGFPRR PPRGTRPAP GGCIQPRGPI EQVYQEIAL KKLDPNVVK LVEVLDDPNE DHLYMVFEV NQGPVMEVPT LKPLSEDQAR FYFQDLIKGI EYLHYQKIIH RDIKPSNLLV GEDGHIKIAD FGVSNEFKGS DALLSNTVGT PAFMAPESLS ETRKIFSGKA LDVWAMGVTL YCFVFGQCPF MDERIMCLHS KIKSQALEFP DQPDIAEDLK DLITRMLDKN PESRIVVPEI KLHPWVTRHG AEPLPSEDEN CTLVEVTEEE VENSVKHIPS LATVILVKTM IRKRSFGNPF EGSRRREERSL SAPGNLLTKK PTRECESLSE LKEARQRRQP PGHRPAPRGG GGSALVRGSP CVESCWAPAP GSPARMHPLR PEEAMEPE
Source	Mammalian cell
Target Names	CAMKK2
Protein Names	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
Expression Region	2-588
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	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.

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.

Shelf Life

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