



# Recombinant Rat Serine/threonine-protein kinase MARK2 (Mark2)

<b>Product Code</b>	CSB-EP013497RA-B
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	O08679
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MSSARTPLPT LNERDTEQPT LGHLDSKPSS KSNMLRGRNS ATSADEQPHI GNYRLLKTIG KGNFAKVKLA RHILTGKEVA VKIIDKTQLN SSSLQKLFRE VRIMKVLNHP NIVKLFEVIE TEKTLYLVME YASGGVEFDY LVAHGRMKEK EARAKFRQIV SAVQYCHQKF IVHRDLKAEN LLLDADMNIK IADFGFSNEF TFGNKLDTFC GSPPYAAPEL FQGKKYDGPE VDVWSLGVIL YTLVSGSLPF DGQNLKELRE RVLRGKYRIP FYMSTDCENL LKKFLILNPS KRGTLEQIMK DRWMNVGHED DELKPYVEPL PDYKDPRRTE LMVSMGYTRE EIQDSLVGQR YNEVMATYLL LGYKSSELEG DTITLKPRPS ADLTNSSAPS PSHKVQRSVS ANPKQRRSSD QAVPAIPTS SYSKKTQSNN AENKRPEEET GRKASSTAKV PASPLPGLDR KKTTPSTN SVLSTSTNRS RNSPLDRAS LGQASIQNGK DSTAPQRVPV ASPSAHNISS SSGAPDRTNF PRGVSSRSTF HAGQLRQVRD QQNLPGVTP ASPSGHSQGR RGASGSIFSK FTSKFVRRNL NEPEKDRVE TLRPHVVGGG GTDKEKEEFR EAKPRSLRFT WSMKTTSSME PNEMMREIRK VLDANSCQSE LHERYMLLCV HGTPGHENFV QWEMEVCCKLP RLSLNGVRFK RISGTSMAFK NIASKIANEL KL
<b>Source</b>	E.coli
<b>Target Names</b>	Mark2
<b>Protein Names</b>	Recommended name: Serine/threonine-protein kinase MARK2 EC= 2.7.11.1 EC= 2.7.11.26 Alternative name(s): ELKL motif kinase 1 Short name= EMK-1 MAP/microtubule affinity-regulating kinase 2
<b>Expression Region</b>	1-722
<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 protein
<b>Target Details</b>	This gene encodes a member of the Par-1 family of serine/threonine protein kinases. The protein is an important regulator of cell polarity in epithelial and neuronal cells, and also controls the stability of microtubules through phosphorylation and inactivation of several microtubule-associated proteins. The protein localizes to cell membranes. Multiple transcript variants encoding different isoforms have been found for this gene.



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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**

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.