



# Recombinant Mouse Myosin light chain kinase 2, skeletal/cardiac muscle (Myk2)

<b>Product Code</b>	CSB-MP823738MO
<b>Abbreviation</b>	Myk2
<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>	Q8VCR8
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	TTENGAVEL GSQSLSTEQT PKAAAGDGPS ASEKEPSAPA TEKDLSPNA KKDPGAPDPK NNPDPPLK DPAKAPGPEK KGDPVPASAS SQGPSGEGDG GGGPAEGSEG PPAALPLPTA TAEASIQKLD PTQAPSGNQG SGEAKAGKKA AECREAGRRG SPAFLHSPSC PAIISCSEKT LAVKPLSETT DLVFTGVSVT PDPQDPGPVK AGGTNALAEK KKEEA EKASG QAGQAKVQGD TPQRIGFQAV PSERVEVGQA LCLTAREEDC FQILDDCPPP PAPFPHRIVE LRTGNVNSEF SMNSKEALGG GKFGAVCTCT ERATGLKLAA KVIKKQTPKD KEMVLEIEV MNQLNHRNLI QLYAAIETSH EILFMEYIE GGELFERIVD EDYHLTEVDT MVFVRQICDG ILFMHKMRVL HLDLKPENIL CVNTTGHVVK IIFDGLARRY NPNEKLKVN FGTPEFLSPEV VNYDQISDKT DMWSLGVITY MLLSGLSPFL GDDDTETLNN VLSANWYFDE ETFEAVSDEA KDFVSNLLTK DQSARMSAEQ CLAH PWLNNL AEKAKRCNRR LKSQILLKKY LMKRRWKKNF IAVSAANRFK KISSSGALMA LGV
<b>Source</b>	Mammalian cell
<b>Target Names</b>	Myk2
<b>Protein Names</b>	Recommended name: Myosin light chain kinase 2, skeletal/cardiac muscle Short name= MLCK2 EC= 2.7.11.18
<b>Expression Region</b>	2-613
<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>	This gene encodes a myosin light chain kinase, a calcium/calmodulin dependent enzyme, that is exclusively expressed in adult skeletal muscle.
<b>Reconstitution</b>	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  $-20^{\circ}\text{C}/-80^{\circ}\text{C}$ . Our default final concentration of glycerol is 50%. Customers could use it as reference.

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