



Recombinant Human Myosin light chain kinase 2, skeletal/cardiac muscle (MYLK2)

Product Code	CSB-EP863953HU-B
Abbreviation	MYLK2
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.	Q9H1R3
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	ATENGAVEL GIQNPSTDKA PKGPTGERPL AAGKDPGPPD PKKAPDPPTL KKDAKAPASE KGDGTLAQPS TSSQGPKGEG DRGGGPAEGS AGPPAALPQQ TATPETS VKK PKAEQGASGS QDPGKPRVGK KAAEGQAAAR RGSPAFLHSP SCPAIISSSE KLLAKKPPSE ASELTFEGVP MTHSPTDPRP AKAEEGKNIL AESQKEVGEK TPGQAGQAKM QGDTSRGIEF QAVPSEKSEV GQALCLTARE EDCFQILDDC PPPPAPFPHR MVELRTGNVS SEFSMNSKEA LGGGKFGAVC TCMEKATGLK LAAKVIKKQT PKDKEMVLE IEVMNQLNHR NLIQLYAAIE TPHEIVLFME YIEGGELFER IVDEDYHLTE VDTMVVFRQI CDGILFMHKM RVLHLDLKPE NILCVNTTGH LVKIIDFGLA RRYNPNEKLK VNFGTPEFLS PEVVNYDQIS DKTDMWSMGV ITYMLLSGLS PFLGDDDTET LNNVLSGNWY FDEETFEAVS DEAKDFVSNL IVKDQRARMN AAQCLAH PWL NNLAEKAKRC NRRLKSQILL KKYLMKRRWK KNFIAVSAAN RFKKISSSGA LMALGV
Source	E.coli
Target Names	MYLK2
Protein Names	Recommended name: Myosin light chain kinase 2, skeletal/cardiac muscle Short name= MLCK2 EC= 2.7.11.18
Expression Region	2-596
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	This gene encodes a myosin light chain kinase, a calcium/calmodulin dependent enzyme, that is exclusively expressed in adult skeletal muscle.
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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