



Recombinant Rat Myosin light chain kinase 2, skeletal/cardiac muscle (Mylk2)

Product Code	CSB-MP321833RA
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.	P20689
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	ATENGAVEL GTQSLSTDHP PTDAAGDGSP ASEKEPSLPD TEKDLGPTNT KKDPGAPDPK KNPDPPLKK TPEAPGPEKK GDSAPASASN QGSPGEGDGG GGPAEGGTGP PAVLPQPTAT ADASIQKLDA TQAPSGNQES GEAKAGKAA ECREAGRRGS PAFLHSPSCP AIISCSEKTL AMKPLSETTE LIFAGVSETP DPQDPGPAKD EGGTNTLADG KEEAEAGQAE QAKVQGDTSQ RIGFQAVPSE RAEVGQALCL TAKEEDCFQI LDDCPPPPAP FPHRIVELRT GNVSSEFSMN SKEALGGGKF GAVCTCTERS TGLKLAAKVI KKQTPKDKEM VLEIEVMNQ LNHRNLIQLY SAIETSHEII LFMEYIEGGE LFERIVDEDY QLTEVDTMVF VRQICDGILF MHKMRVLHLD LKPENILCVN TTGHLVKIID FGLARRYNP EKLKVNFGTP EFLSPEVVNY DQISDKTDMW SLGVITYMLL SGLSPFLGDD DTETLNNVLS ANWYFDEETF EAVSDEAKDF VSNLITKDQS ARMSAEQCLA HPWLNNLAEK AKRCNRRLKS QILLKKYLMK RRWKKNFIAV SAANRFKIS SSGALMALGV
Source	Mammalian cell
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	2-610
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

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.