



Recombinant Rat Myosin light chain 3 (Myl3)

Product Code	CSB-EP015310RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P16409
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	APKKPEPKK DDAKTAAPKA APAPAAAPAA APEPERPKEA EFDASKIKIE FTPEQIEEFK EAFQLFDRTP KGEMKITYGQ CGDVLRALGQ NPTQAEVLRV LGKPKQEELN SKMMDFETFL PMLQHISKNK DTGTYEDFVE GLRVFDKEGN GTVMGAE LRH VLATLGERLT EDEVEKLMAG QEDSNGCINY EAFVKHIMAS
Source	E.coli
Target Names	Myl3
Protein Names	Recommended name: Myosin light chain 3 Alternative name(s): Myosin light chain 1, slow-twitch muscle B/ventricular isoform Short name= MLC1SB Ventricular/slow twitch myosin alkali light chain
Expression Region	2-200
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	MYL3 encodes myosin light chain 3, an alkali light chain also referred to in the literature as both the ventricular isoform and the slow skeletal muscle isoform. Mutations in MYL3 have been identified as a cause of mid-left ventricular chamber type hypertrophic cardiomyopathy.
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.