



Recombinant Rat Myosin light chain 4 (Myl4)

Product Code	CSB-EP015311RA-B
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P17209
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MPPKKPEPKK ETAKVAAAPA PAPAPAPEPL RDSAFDPKSV KIDFSADQIE EFKEAFSLFD RTPTGEMKIT YGQCGDVLRA LGQNPTNAEV LRVLGKPKPE EMNSKTLDFE MFLPILQHIS RNKEQGTYED FVEGLRVFDK ESNGTVMGAE LRHVLATLGE KMSEAEVEQL LTGQEDANGC INYEAFVKHV MSG
Source	E.coli
Target Names	Myl4
Protein Names	Recommended name: Myosin light chain 4 Alternative name(s): Myosin light chain 1, atrial isoform
Expression Region	1-193
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 protein
Target Details	Myosin is a hexameric ATPase cellular motor protein. It is composed of two myosin heavy chains, two nonphosphorylatable myosin alkali light chains, and two phosphorylatable myosin regulatory light chains. This gene encodes a myosin alkali light chain that is found in embryonic muscle and adult atria. Two alternatively spliced transcript variants encoding the same protein have been found for this gene.
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.