



# Recombinant Mouse Myosin light chain 4 (Myl4)

<b>Product Code</b>	CSB-BP015311MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P09541
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	MPPKKPEPKK EAAKPAAAPA PAASAAPEPL KDSAFDPKSV KIDFSADQIE EFKEAFSLFD RTPTGEMKIT YGQCGDVLRA LGQNPTNAEV LRVLGKPKPE EMSSKTLDFE MFLPILQHIS RNKEQGTYED FVEGLRVFDK ESNGTVMGAE LRHVLATLGE KMSEAEVEQL LSGQEDANGC INYEAFVKHI MSG
<b>Source</b>	Baculovirus
<b>Target Names</b>	Myl4
<b>Protein Names</b>	Recommended name: Myosin light chain 4 Alternative name(s): MLC1EMB Myosin light chain 1, atrial/fetal isoform Short name= MLC1A
<b>Expression Region</b>	1-193
<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 protein
<b>Target Details</b>	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.
<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°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</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.