



# Recombinant Mouse Myosin light chain 3 (Myl3)

<b>Product Code</b>	CSB-EP015310MO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P09542
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	APKKPEPKK DDAKAAAPKA APAPAAAPAA APAAPEPER PKEAEFDASK IKIEFTPEQI EEFKEAFLLF DRTPKGEMKI TYGQCGDVLR ALGQNPTQAE VLRVLGPKQ EELNSKMMDF ETFLPMLQHI SKNKDTGTYE DFVEGLRVFD KEGNGTVMGA ELRHVLATLG ERLTEDEVEK LMAGQEDSNG CINYEAQVVKH IMAS
<b>Source</b>	E.coli
<b>Target Names</b>	Myl3
<b>Protein Names</b>	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
<b>Expression Region</b>	2-204
<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 of Mature Protein
<b>Target Details</b>	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.
<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.