



Recombinant Rat Myosin regulatory light polypeptide 9 (MyI9)

Product Code	CSB-EP737335RA-B
Abbreviation	MyI9
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.	Q64122
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	SSKRAKAKT TKKRPQSATS NVFAMFDQSQ IQEFKEAFNM IDQNRDGFID KEDLHDMLAS LGKNPTDEXL EGMMNEAPGP INFTMFLTMF GEKLNQTDPE DVIRNAFACF DEEASGFIHE DHLRELLTTM GDRFTDEEVD EMYRERIDKK GNFNYYVEFTR ILKHGAKDKD D
Source	E.coli
Target Names	MyI9
Protein Names	Recommended name: Myosin regulatory light polypeptide 9 Alternative name(s): Myosin regulatory light chain 2, smooth muscle isoform Myosin regulatory light chain 9
Expression Region	2-171
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	Myosin, a structural component of muscle, consists of two heavy chains and four light chains. This protein is a myosin light chain that may regulate muscle contraction by modulating the ATPase activity of myosin heads. The encoded protein binds calcium and is activated by myosin light chain kinase. Two transcript variants encoding different isoforms 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.



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