



Recombinant Rat Myosin-binding protein C, cardiac-type (Mybpc3), partial

Product Code	CSB-EP015267RA-B
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.	P56741
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	PKIHLDCPGSTPDTIVVVAGNKLRLDVPISGDPAPTVIWQKTITQGKKASAGPP PGAPEDAGADEEWFVDFKLLCETEGRVVETTKDRSVFTVEGAKEDEGVYT VTVKNPVGEDQVNLTVKVIDVPDAPAAPKISNVGEDSCIVQWEPPAYDGGQP V LGYILERKKKSYRWMRLNFDLLRELSHEARMIEGVAYEMRVYAVNAVGM S RPSPASQPF
Research Area	Others
Source	E.coli
Target Names	Mybpc3
Protein Names	Recommended name: Myosin-binding protein C, cardiac-type Short name= Cardiac MyBP-C Alternative name(s): C-protein, cardiac muscle isoform
Expression Region	645-864aa
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	Partial
Target Details	MYBPC3 encodes the cardiac isoform of myosin-binding protein C. Myosin-binding protein C is a myosin-associated protein found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. MYBPC3, the cardiac isoform, is expressed exclusively in heart muscle. Regulatory phosphorylation of the cardiac isoform in vivo by cAMP-dependent protein kinase (PKA) upon adrenergic stimulation may be linked to modulation of cardiac contraction. Mutations in MYBPC3 are one cause of familial 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

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