



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

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|--------------------------|---|
| Product Code | CSB-MP015267RA |
| 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 PGAPEDAGADEEWFVDFKLLCETEGRVRVETTKDRSVFTVEGAKEKEDEGVYT VTVKNPVGEDQVNLTVKVIDVPDAPAAPKISNVGEDSCIVQWEPPAYDGGQPV LGYILERKKKKSYPWMLNFDLLRELSHEARMIEGVAYEMRVYAVNAVGM SPSPASQPF |
| Research Area | Others |
| Source | Mammalian cell |
| 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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