

Myosin Binding Protein C, Cardiac Human Recombinant

Item Number	rAP-3675
Synonyms	Myosin Binding Protein C Cardiac, C-Protein Cardiac Muscle Isoform, Myosin-Binding Protein C Cardiac, Cardiac MyBP-C, CMD1MM, LVNC10, MYBP-C, CMH4, FHC, MYBPC3.
Description	MYBPC3 Human Recombinant produced in E.Coli is a single, non-glycosylated, polypeptide chain (Met1-Phe271) containing 281 amino acids including a 10 aa His tag at N-terminus. The total calculated molecular mass is 29.6kDa.
Uniprot Accession Number	Q14896
Amino Acid Sequence	MKHHHHHHASMPGKPKVS AFSKKPRSV E VAAGSPAVFE AETERAGVKV RWQRGGSDIS ASNKY-GLATE GTRHTLTVRE VGPADQGSYA VIAGSSKVKF DLKVIEAEKA EPMLAPAPAP AEATGAPGEA PA-PAAELGES APSPKGSSSA ALNGPTPGAP DDPIGLFVMR PQDGEVTVGG SITFSARVAG ASLLKPPVVK WFKGKVVVDLS SKVGQHLQLH DSYDRASKVY LFEHITDAQ PAFTGSYRCE VSTKDKFDSCS NFNLTVHEAM GTGDLDLLSA F.
Source	Escherichia Coli.
Physical Appearance and Stability	Filtered White lyophilized (freeze-dried) powder. Store lyophilized protein at -20°C. Aliquot the product after reconstitution to avoid repeated freezing/thawing cycles. Reconstituted protein can be stored at 4°C for a limited period of time; it does not show any change after two weeks at 4°C.
Formulation and Purity	MYBPC3 was filtered (0.4µm) and lyophilized in 20mM Tris buffer and 50mM NaCl, pH 7.5. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	It is recommended to add deionized water to prepare a working stock solution of approximately 0.5mg/ml and let the lyophilized pellet dissolve completely. MYBPC3 is not sterile! Please filter the product by an appropriate sterile filter before using it in
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**