

Recombinant Human MYBPC2 Protein, His tagged

Cat. No. MYBPC2-2007H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYBPC2 Protein with His tag was expressed in E. coli.
Species	Human
Source	E.coli
Description	This gene encodes a member of the myosin-binding protein C family. This family includes the fast-, slow- and cardiac-type isoforms, each of which is a myosin-associated protein found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. The protein encoded by this locus is referred to as the fast-type isoform. Mutations in the related but distinct genes encoding the slow-type and cardiac-type isoforms have been associated with distal arthrogryposis, type 1 and hypertrophic cardiomyopathy, respectively.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 50 kDa.
AA Sequence	MGSSHHHHHHSSGLVPRGSHMASMTGGQQMGRGSEFRTEPLHLIVEDVTDTTTTL KWRPPNRIGAGGIDGYLVEYCLEGSEEWVPANTEPVERCGFTVKNLPTGARILFRV VGVNIAGRSEPATLAQPVTIREIAEPPKIRLPRHLRQTYIRKVGESQLNLVVPFQGKPR PQVVWTKGGAPLDTSRVHVRTSDFDTVFFVRQAARSDSGEYELSVQIENMKDTATI RIRVVEKAGPPINVMVKEVWG TNALVEWQAPKDDGNSEIMGYFVQKADKKTMEWF NVYERNRHTSCTVSDLIVGNEYFRVYTENICGLSDSPGVSKNTARILKTGITFKPFE YKEHDFRMAPKFLTPLIDRVVAGYSAALNCAVRGHPKPKVVWMKNKMEIREDPKF

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LITNYQGVLTNLNRRPSPFDAGTYTCRAVNELGEALAECKLEVRVPQ

Endotoxin	< 1 EU/μg
Purity	> 90% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from 50 mM Tris-HCl, 300 mM NaCl, pH8.0, 1% SKL, 6% trehalose
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 13.1 mg/mL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	MYBPC2 myosin binding protein C2 [Homo sapiens (human)]
Official Symbol	MYBPC2
Synonyms	MYBPC2; myosin binding protein C2; MYBPC; MYBPCF; fsMyBP-C; myosin-binding protein C, fast-type; fast MyBP-C; fast skeletal-type muscle myosin-binding-protein C; fast-type muscle myosin-binding-protein C; myosin binding protein C, fast type; testicular tissue protein Li 126
Gene ID	4606
mRNA Refseq	NM_004533
Protein Refseq	NP_004524

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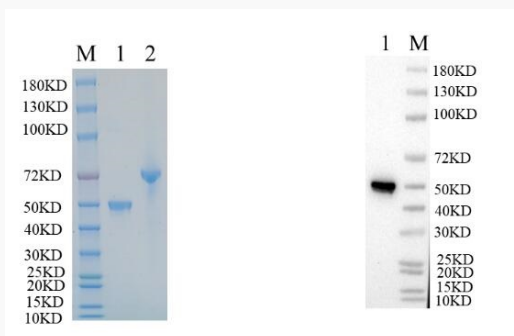
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MIM 160793

UniProt ID Q14324

Reducing 12% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal Antibody) analysis profile of purified MYBPC2.



1. MYBPC2
2. BSA

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