Recombinant Human MYBPC2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYBPC2-1602H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYBPC2 MS Standard C13 and N15-labeled recombinant protein (NP_004524) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	128.1 kDa
AA Sequence	MPEAKPAAKKAPKGKDAPKGAPKEAPPKEAPAEAPKEAPPEDQSPTAEEPTGVFLK KPDSVSVETGKDAVVVAKVNGKELPDKPTIKWFKGKWLELGSKSGARFSFKESHNS ASNVYTVELHIGKVVLGDRGYYRLEVKAKDTCDSCGFNIDVEAPRQDASGQSLESF KRTSEKKSDTAGELDFSGLLKKREVVEEEKKKKKKDDDDLGIPPEIWELLKGAKKSE YEKIAFQYGITDLRGMLKRLKKAKVEVKKSAAFTKKLDPAYQVDRGNKIKLMVEISDP DLTLKWFKNGQEIKPSSKYVFENVGKKRILTINKCTLADDAAYEVAVKDEKCFTELFV

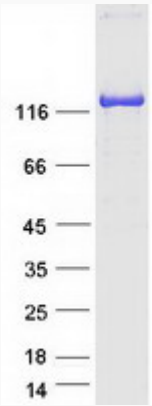
Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	KEPPVLIVTPLEDQQVFVGDRVEMAVEVSEEGAQVMWMKDGVELTREDSFKARYR FKKDGKRHILIFSDVVQEDRGRYQVITNGGQCEAELIVEEKQLEVLQDIADLTVKASE QAVFKCEVSDEKVTGKWYKNGVEVRPSKRITISHVGRFHKLVIDDVRPEDEGDYTFV PDGYALSLSAKLNFLEIKVEYVPKQEPPKIHLDCSGKTSENAIVVVAGNKLRLDVSITG EPPPVATWLKGDEVFTTTEGRTRIEKRVDCSSFVIESAQREDEGRYTIKVTNPVGED VASIFLQVVDVPDPPEAVRITSVGEDWAILVWEPPMYDGGKPVTGYLVERKKKGSQ RWMKLNFEVFTETTYESTKMIEGILYEMRVFAVNAIGVSQPSMNTKPFMPIAPTSEPL HLIVEDVTDTTTTLKWRPPNRIGAGGIDGYLVEYCLEGSEEWVPANTEPVERCGFTV KNLPTGARILFRVVGVNIAGRSEPATLAQPVTIREIAEPPKIRLPRHLRQTYIRKVGEQ LNLVVPFQGKPRPQVVWTKGGAPLDTSRVHVRTSDFDTVFFVRQAARSDSGEYEL SVQIENMKDTATIRIRVVEKAGPPINVMVKEVWGTNALVEWQAPKDDGNSEIMGYFV QKADKKTMEWFNVYERNRHTSCTVSDLIVGNEYYFRVYTENICGLSDSPGVSKNTA RILKTGITFKPFEYKEHDFRMAPKFLTPLIDRVVVAGYSAALNCAVRGHPKPKVVWM KNKMEIREDPKFLITNYQGVLTLNIRRPSPFDAGTYTCRAVNELGEALAECKLEVRVP QTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 μg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	MYBPC2 myosin binding protein C2 [Homo sapiens (human)]

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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
MIM	160793
UniProt ID	Q14324
SDS-PAGE	

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