

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	MPEAKPAAKKAPKGGKDA PKGAPKEAPPKEAPAEAPKEAPPEDQSPTAE EPTGVFLK KPDSVSVETGKDAVVVAKVNGKELPKPTIKWFKGKWLELGSKSGARFSFKESHNS ASNVYTVELHIGKVVLGDRGYRLEV KAKDTCDS CGFNIDVEAPRQDASGQSLESF KRTSEKKSDTAGELDFSGLLKKREVV EEEKKKKKKDDDDL GIPPEIWELLKGAKKSE YEKIAFQYGITDLRGMLKRLKAKVEV KKSAAFTKKLDPAYQVDRGNKIKLMVEISDP DLTWKWFKNGQEIKPSSKYVFENVG KKRILTINKCTLADDAAYEVAVKDEKCFTELFV

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KEPPVLIVTPLEDQQVFVGDRVEMAVEVSEEGAQVMWMKDGVELTREDSEFKARYR
 FKKDGKRHILIFSDVVQEDRGRYQVITNGGQCEAELIVEEKQLEVLQDIADLTVKASE
 QAVFKCEVSDEKVTGKWKYKNGVEVRPSKRITISHVGRFHKLVIDDVRPEDEGDYTFV
 PDGYALSLSAKLNFLEIKVEYVPKQEPPIHLDCSGKTSENAIVVAGNKLRLDVSITG
 EPPPVA TWLKGDEVFTTTEGRTRIEKRVDCSSFVIESAQREDEGRYTIKVTNPVGED
 VASIFLQVVDVPDPPEAVRITSVGEDWAILVWEPPMYDGGKPVTGYLVERKKKGSQ
 RWMKLNFEVFTETTYESTKMEGILYEMRVFAVNAIGVSQPSMNTKPFMPIAPTSEPL
 HLIVEDVTDTTTTLKWRPPNRIGAGGIDGYLVEYCLEGSEEWVPANTEPVERCGFTV
 KNLPTGARILFRVVG VNIAGRSEPATLAQPV TIREIAEPPKIRLPRHLRQTYIRKVGEQ
 LNLVVPFQ GKPRPQV VWTGKGAPLDTSRVHVRTSDFDTVFFVRQAARSDSGEYEL
 SVQIENMKDTATIRIRVVEKAGPPINVMVKEVWGTNALVEWQAPKDDGNSEIMGYFV
 QKADKKTMEWFNVYERNRHTSCTVSDLIVGNEYFRVYTENICGLSDSPGVSKNTA
 RILKTGITFKPF EYKEHDFRMAPKFLTPLIDRVVAGYSAALNCAVRGHPKPKVWWM
 KNKMEIREDPKFLITNYQGVLT LNIRRPSPFDAGTYTCRAVNELGEALAECKLEVRVP
 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	