Recombinant Human MYBPC1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. MYBPC1-521H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	MYBPC1 MS Standard C13 and N15-labeled recombinant protein (NP_996557) 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. Myosin-binding protein C family members are myosin-associated proteins found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. The encoded protein is the slow skeletal muscle isoform of myosin-binding protein C and plays an important role in muscle contraction by recruiting muscle-type creatine kinase to myosin filaments. Mutations in this gene are associated with distal arthrogryposis type I. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene.
Molecular Mass	126.5 kDa
AA Sequence	MPEPTKKEENEVPAPAPPPEEPSKEKEAGTTPAKDWTLVETPPGEEQAKQNANSQ LSILFIEKPQGGTVKVGEDITFIAKVKAEDLLRKPTIKWFKGKWMDLASKAGKHLQLK ETFERHSRVYTFEMQIIKAKDNFAGNYRCEVTYKDKFDSCSFDLEVHESTGTTPNIDI RSAFKRSGEGQEDAGELDFSGLLKRREVKQQEEEPQVDVWELLKNAKPSEYEKIAF QYGITDLRGMLKRLKRMRREEKKSAAFAKILDPAYQVDKGGRVRFVVELADPKLEVK

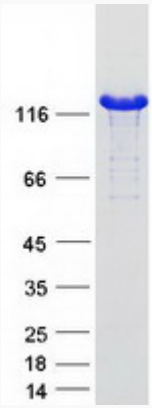
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	WYKNGQEIRPSTKYIFEHKGCQRILFINNCQMTDDSEYYVTAGDEKCSTELFVREPPI MVTKQLEDTTAYCGERVELECEVSEDDANVKWFKNGEEIIPGPKSRYRIRVEGKKHI LIIEGATKADAAEYSVMTTGGQSSAKLSVDLKPLKILTPLTDQTVNLGKEICLKCEISE NIPGKWTKNGLPVQESDRLKVVHKGRIHKLVIANALTEDEGDYVFAPDAYNVTLPAK VHVIDPPKIILDGLDADNTVTVIAGNKLRLEIPISGEPPPKAMWSRGDKAIMEGSGRIR TESYPDSSTLVIDIAERDDSGVYHINLKNEAGEAHASIKVKVVDFPDPPVAPTVTEVG DDWCIMNWEPPAYDGGSPILGYFIERKKKQSSRWMRLNFDLCKETTFEPKKMIEGV AYEVRIFAVNAIGISKPSMPSRPFVPLAVTSPPTLLTVDSVTDTTVTMRWRPPDHIGA AGLDGYVLEYCFEGTEDWIVANKDLIDKTKFTITGLPTDAKIFVRVKAVNAAGASEPK YYSQPILVKEIIEPPKIRIPRHLKQTYIRRVGEAVNLVIPFQGKPRPELTWKKDGAEIDK NQINIRNSETDTIIFIRKAERSHSGKYDLQVKVDKFVETASIDIQIIDRPGPPQIVKIEDV WGENVALTWTPPKDDGNAAITGYTIQKADKKSMEWFTVIEHYHRTSATITELVIGNE YYFRVFSENMCGLSEDATMTKESAVIARDGKIYKNPVYEDFDFSEAPMFTQPLVNTY AIAGYNATLNCSVRGNPKPKITWMKNKVAIVDDPRYRMFSNQGVCTLEIRKPSPYDG GTYCCKAVNDLGTVEIECKLEVKVIAQTRTRPLEQKLISEEDLAANDILDYKDDDDKV
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	MYBPC1 myosin binding protein C1 [Homo sapiens (human)]

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Official Symbol	MYBPC1
Synonyms	MYBPC1; myosin binding protein C, slow type; myosin-binding protein C, slow-type; slow MyBP-C; skeletal muscle C-protein; C-protein, skeletal muscle slow isoform; MYBPCC; MYBPCS;
Gene ID	4604
mRNA Refseq	NM_206821
Protein Refseq	NP_996557
MIM	160794
UniProt ID	Q00872
SDS-PAGE	

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