

Myosin-binding protein C Recombinant Protein | MYBPC2 recombinant protein

Recombinant Human Myosin-binding protein C, fast-type

CATALOG # AAA117071	HOST E Coli or Yeast or Baculovirus or Mammalian Cell
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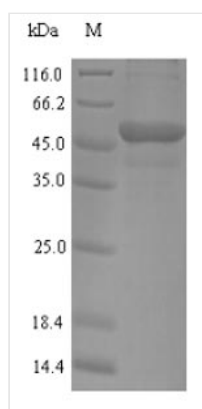
PRODUCT SYNONYMS

Myosin-binding protein C; Recombinant Human Myosin-binding protein C; fast-type; C-protein; skeletal muscle fast isoform; MYBPC2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli or Yeast or Baculovirus or Mammalian Cell
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE.
Form/Format	Lyophilized or liquid (Format to be determined during the manufacturing process)
Sequence Positions	739-1141. Fragment at the C-terminal.
Sequence	EPLHLIVEDV TDTTTLKWR PPNRIGAGGI DGYLVEYCLE GSEEWVPANT EPVERCGFTV KNLPTGARIL FRVVG VNIAG RSEPTLAQP VTIREIAEPP KIRLPRLRQ TYIRKVG EQL NLVVPFQ GKP RPQVVWTKGG APLDTSRVHV RTSDFDTVFF VRQAARSDSG EYELSVQIEN MKDTATIRIR VVEKAGPPIN VMVKEVWG TN ALVEWQAPKD DGNSEIMGYF VQKADKKTME WFNVYERNRH TSCTVSDLIV GNEY YFRVYT ENICGLSDSP GVSKNTARIL KTGITFKPFE YKEHDFRMAP KFLTPLIDRV VVAGYSAALN CAVRGHPKPK VVWMKNKMEI REDPKFLITN YQGVLT LNIR RPSPFDAGTY TCRAVNELGE ALAECKLEVR VPQ
Sequence Length	1141
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for MYBPC2 recombinant protein	Thick filament-associated protein located in the crossbridge region of vertebrate striated muscle a bands. In vitro it binds MHC, F-actin and native thin filaments, and modifies the activity of actin-activated myosin ATPase. It may modulate muscle contraction or may play a more structural role.
Product Categories/Family for MYBPC2 recombinant protein	Signal Transduction

References	Complete sequence of human fast-type and slow-type muscle myosin-binding-protein C (MyBP-C) . Differential expression, conserved domain structure and chromosome assignment.Weber F.E., Vaughan K.T., Reinach F.C., Fischman D.A.Eur. J. Biochem. 216:661-669(1993) The DNA sequence and biology of human chromosome 19.Grimwood J., Gordon L.A., Olsen A.S., Terry A., Schmutz J., Lamerdin J.E., Hellsten U., Goodstein D., Couronne O., Tran-Gyamfi M., Aerts A., Altherr M., Ashworth L., Bajorek E., Black S., Branscomb E., Caenepeel S., Carrano A.V., Caoile C., Chan Y.M., Christensen M., Cleland C.A., Copeland A., Dalin E., Dehal P., Denys M., Detter J.C., Escobar J., Flowers D., Fotopulos D., Garcia C., Georgescu A.M., Glavina T., Gomez M., Gonzales E., Groza M., Hammon N., Hawkins T., Haydu L., Ho I., Huang W., Israni S., Jett J., Kadner K., Kimball H., Kobayashi A., Larionov V., Leem S.-H., Lopez F., Lou Y., Lowry S., Malfatti S., Martinez D., McCready P.M., Medina C., Morgan J., Nelson K., Nolan M., Ovcharenko I., Pitluck S., Pollard M., Popkie A.P., Predki P., Quan G., Ramirez L., Rash S., Retterer J., Rodriguez A., Rogers S., Salamov A., Salazar A., She X., Smith D., Slezak T., Solovyev V., Thayer N., Tice H., Tsai M., Ustaszewska A., Vo N., Wagner M., Wheeler J., Wu K., Xie G., Yang J., Dubchak I., Furey T.S., DeJong P., Dickson M., Gordon D., Eichler E.E., Pennacchio L.A., Richardson P., Stubbs L., Rokhsar D.S., Myers R.M., Rubin E.M., Lucas S.M.Nature 428:529-535(2004)
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NCBI AND UNIPROT INFORMATION

NCBI GI #	133908641
NCBI GeneID	4606
NCBI Accession #	NP_004524.3
NCBI GenBank Nucleotide #	NM_004533.3
UniProt Accession #	Q14324 ; A1L4G9
Molecular Weight	47.5 kDa
NCBI Official Full Name	myosin-binding protein C, fast-type
NCBI Official Synonym Full Names	myosin binding protein C, fast type
NCBI Official Symbol	MYBPC2
NCBI Official Synonym Symbols	MYBPC; MYBPCF
NCBI Protein Information	myosin-binding protein C, fast-type
UniProt Protein Name	Myosin-binding protein C, fast-type
UniProt Gene Name	MYBPC2
UniProt Synonym Gene Names	MYBPCF; Fast MyBP-C
UniProt Entry Name	MYPC2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://www.aaabiotech.com/mybpc2-recombinant-protein-e-coli/117071>