

Recombinant Human Myosin-binding protein C, fast-type(MYBPC2),partial

Catalog No: #AP74455

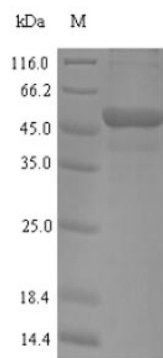
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Package Size: #AP74455-1 20ug #AP74455-2 100ug #AP74455-3 1mg

Description

Product Name	Recombinant Human Myosin-binding protein C, fast-type(MYBPC2),partial
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:739-1141aaSequence Info:Partial
Other Names	Myosin-binding protein C, fast-type Short name: Fast MyBP-C Alternative name(s): C-protein, skeletal muscle fast isoform
Accession No.	Q14324
Uniprot	Q14324
GeneID	4606;
Calculated MW	49.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	EPLHLIVEDVTDTTTLKWRPPNRIGAGGIDGYLVEYCLEGSEEWVPANTEPVERCGFTVKNLPTGARILFRVV GVNIAGRSEPATLAQPVITIREIAEPPKIRLPRHLRQTYIRKVGELNLVVPFQGKPRPQVWWTGGAPLDTSRV HVRTSDFDTVFFVRQAARSDSGEYELSVQIENMKDTATIRRVVEKAGPPINVMVKEVWGTNALVEWQAPKDD GNSEIMGYFVQKADKKTMEWFNVYERNRHTSCTVSDLIVGNEYFRVYTENICGLSDSPGVSKNTARILKTGIT FKPFEYKEHDFRMAPKFLTPLIDRVVAGYSAALNCAVRGHPKPKVVMKNKMEIREDPKFLITNYQGVLTLNI RRPSPFDAGTYTCRAVNELGEALAECKLEVRVPQ
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Images



Background

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.

References

"Solution structure of the first, third and 6th Ig-like domains from human myosin-binding protein c, fast-type."RIKEN structural genomics initiative (RSGI)Submitted (AUG-2007)Research Topic:Signal Transduction

Note: This product is for in vitro research use only