

Recombinant Human MYBPC2 Protein (739-1141 aa), His-tagged

Cat. No. MYBPC2-1652H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human MYBPC2 Protein (739-1141 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Signal Transduction. Protein Description: Partial.
Species	Human
Source	Yeast
ProteinLength	739-1141 aa
Description	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.
Form	Tris-based buffer, 50% glycerol
Molecular Mass	47.5 kDa
AA Sequence	EPLHLIVEDVTDTTTLKWRPPNRIGAGGIDGYLVEYCLEGSEEWVPANTEPVERCG FTVKNLPTGARILFRVGVNIAGRSEPATLAQPVITIREIAEPPKIRLPRHLRQTYIRKVG EQLNLVVPFQGKPRPQVVWTKGGAPLDSRVHVRTSDFDTVFFVRQAARSDSGEY ELSVQIENMKDTATIRIRVVEKAGPPINVMVKEVWGNTNALVEWQAPKDDGNSEIMGY FVQKADKKTMEWFNVYERNRHTSCTVSDLVGNEYFYFRVYTENICGLSDSPGVSKN

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	TARILKTGITFKPFEYKEHDFRMAPKFLTPLIDRVVAGYSAALNCAVRGHPKPKVW MKNKMEIREDPKFLITNYQGVLTNIRRPSPFDAGTYTCRAVNELGEALAECKLEVRV PQ
Purity	> 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
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 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
Concentration	A hardcopy of COA with reconstitution instruction is sent along with the products.

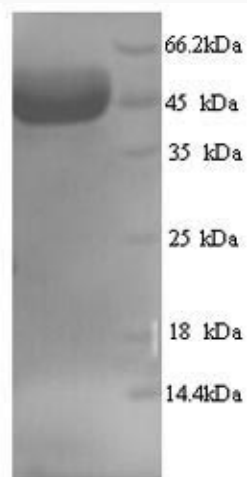
GENE INFORMATION

Gene Name	MYBPC2 myosin binding protein C, fast type [Homo sapiens (human)]
Official Symbol	MYBPC2
Synonyms	MYBPC; MYBPCF;
Gene ID	4606
mRNA Refseq	NM_004533
Protein Refseq	NP_004524
UniProt ID	Q14324

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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