

Datasheet for ABIN7563861

MYBPC2 Protein (AA 1-1136) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MYBPC2
Protein Characteristics:	AA 1-1136
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYBPC2 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant Mybpc2 Protein expressed in mammalian cells.
Sequence:	<p>MPEAKPAAKK ASKGKDAPKE APAKQTPEEP PKEAPPEDQS PTAEPTGIF LKKPDSVSVE</p> <p>TGKDAVILAK VNGKELPGKP TIKWFKGKWQ ELGSKSGARF IFKESHDSTS NVYTVELHIG</p> <p>KVVLGDRGDY RLEIKAKDVC DSCSFNVDVE APRQDSSGQS LESFKRSGDG KSEDAGELDF</p> <p>SGLLKKREVV EEEKKKKKDD DDLGIPPEIW ELLKGAKKSE YEKIAFYGI TDLRGMLKRL</p> <p>KKAKVEVKKS AAFTKKLDP A YQVDRGNKIK LVVEISDPDL PLKWFKNGQE IKPSSKYVFE</p> <p>NVGKKRILTI NKCTLADDA YEVAVQDEK FTELFVKEPP VLIVTPLEDQ QVFGVDRVEM</p> <p>SVEVSEGAQ VMWMKDGVM TREDYKARY RFKKGDKRHI LIYSDVAQED GGRYQVITNG</p> <p>GQCEALIVE EKQLEVLQDI ADLTVKAAEQ AVFKCEVSDE KVTGKWKYNG VEVPRPSKRIT</p> <p>ISHVGRFHKL VIDDVRPEDE GDYTFVPDGY ALSLSAKLNF LEIKVEYVPK QEPPKIHLDL</p> <p>SGKTSDNSIV VVAGNKLRLD VAITGEPPT ATWLRGDEVF TATEGRTHE QRPDCSSFVI</p> <p>ESAERSDEGR YTIKVTNPVG EDVASIFLRV VDVPDPPEAV RVTSGEDWA ILVWEPPKYD</p> <p>GGQPVTGYLM ERKKKGSQRW MKINFEVFTD TTYESTKMIE GVLYEMRVFA VNAIGVSQPS</p>

Product Details

MNTKPFMPIA PTSAPQHDTV EDVDTTTTL KWRPPDRIGA GGIDGYLVEY CLEGSEEWVP
ANKEPVERCG FTVKDLPTGA RILFRVGVN IAGRSEPAL LQPVTIREIV EQPKIRLPRH
LRQTYIRKVG EALNLVIPFQ GKPRPQVWT KGGAPLDSR VNVRTSDFDT VFFVRQAARS
DSGEYELSVQ IENMKDTATI RIRVVEKAGP AENVMVKEVW GTNALVEWQP PKDDGNSEIT
GYFVQKADKK TMEWFNVYEH NRHTSCTVSD LIVGNEYFR IFSENICGLS DSPGVSKNTA
RILKTGITLK PLEYKEHDFR TAPKFLTPLM DRVVVAGYTA ALNCAVRGHP KPKVWWMKNK
MEIHEDPKFL ITNYQGILT NIRRPSFDA GTYSCRAFNE LGEALAECKL DVRVPQ **Sequence**
without tag. The proposed Purification-Tag is based on experiences with the expression
system, a different complexity of the protein could make another tag necessary. In case you
have a special request, please contact us.

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: MYBPC2

Alternative Name: Mybpc2 ([MYBPC2 Products](#))

Background: Myosin-binding protein C, fast-type (Fast MyBP-C) (C-protein, skeletal muscle fast

Target Details

isoform),FUNCTION: 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 (By similarity). {ECO:0000250}.

Molecular Weight: 127.4 kDa

UniProt: [Q5XKE0](#)

Application Details

Application Notes: We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.

Restrictions: For Research Use only

Handling

Format: Liquid

Buffer: The buffer composition is at the discretion of the manufacturer.

Handling Advice: Avoid repeated freeze-thaw cycles.

Storage: -80 °C

Storage Comment: Store at -80°C.

Expiry Date: 12 months