

Datasheet for ABIN7554683

MYBPC2 Protein (AA 1-1141) (His tag)[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	MYBPC2
Protein Characteristics:	AA 1-1141
Origin:	Human
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:	MPEAKPAAKK APKGKDAPKG APKEAPPKEA PAEAPKEAPP EDQSPTAEPP TGVFLKKPDS VSVETGKDAV VVAKVNGKEL PDKPTIKWFK GKWLELGSKS GARFSFKESH NSASNVTVE LHIGKVVLGD RGYRLEVKA KDTCDSCGFN IDVEAPRQDA SGQSLESFKR TSEKKSDTAG ELDFSGLLKK REVVEEEKKK KKKDDDDLGI PPEIWELLKG AKKSEYEKIA FQYGITDLRG MLKRLKKAKV EVKKSAAFTK KLDPAYQVDR GNKIKLMVEI SDPDLTLKWF KNGQEIKPSS KYVFENVGKK RILTINKCTL ADDAAEYAV KDEKCFTELF VKEPPVLIVT PLEDQQVFVG DRVEMAVEVS EEGAQVMWMK DGVELTREDS FKARYRFKGD GKRHILIFSD VVQEDRGRYQ VITNGGQCEA ELIVEEKQLE VLQDIADLTV KASEQAVFKC EVSDEKVTGK WYKNGVEVRP SKRITISHVG RFHKLVIDDV RPEDEGDYTF VPDGYALSLS AKLNFLEIKV EYVPKQEPPK IHLDCSGKTS ENAIWVWAGN KLRLDVSITG EPPPVATWLK GDEVFTTTEG RTRIEKRVDC SSFVIESAQR EDEGRYTIKV TNPVGEDVAS IFLQVVDVPD PPEAVRITSV GEDWAILVWE PPMYDGGKPV TGYLVERKKK GSQRWMKLNK EVFTETTYES TKMIEGILYE MRVFAVNAIG

Product Details

VSQPSMNTKP FMPIAPTSEP LHLIVEDVTD TTTTLKWRPP NRIGAGGIDG YLVEYCLEGS
EEWVPANTEP VERCGFTVKN LPTGARILFR VGVNIAGRS EPATLAQPVT IREIAEPPKI
RLPRHLRQTY IRKVGEQLNL VVPFQGKPRP QVWWTGGAP LDTSRVHVRT SDFDTVFFVR
QAARSDSGEY ELSVQIENMK DTATIRIRVV EKAGPPINVM VKEVWGTNAL VEWQAPKDDG
NSEIMGYFVQ KADKKTMEWF NVYERNRHTS CTVSDLIVGN EYYFRVYTEN ICGLSDSPGV
SKNTARILKT GITFKPFEYK EHDFRMAPKF LTPLIDRVVV AGYSAALNCA VRGHPKPKVV
WMKNKMEIRE DPKFLITNYQ GVLTLNIRRP SPFDAGTYTC RAVNELGEAL AECKLEVRVP Q

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.

Molecular Weight: 128.1 kDa

UniProt: [Q14324](#)

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