

Datasheet for ABIN7554651

## MYBPC3 Protein (AA 1-1274) (His tag)



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### Overview

Quantity:	1 mg
Target:	MYBPC3
Protein Characteristics:	AA 1-1274
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYBPC3 protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant MYBPC3 Protein expressed in mammalian cells.
Sequence:	<p>MPEPGKKPVS AFSKKPRSVE VAAGSPAVFE AETERAGVKV RWQRGGSDIS ASNKYGLATE</p> <p>GTRHTLTVRE VGPADQGSYA VIAGSSKVKF DLKVIEAEKA EPMLAPAPAP AEATGAPGEA</p> <p>PAPAAELGES APSPKGSSSA ALNGPTPGAP DDPIGLFVMR PQDGEVTVGG SITFSARVAG</p> <p>ASLLKPPVVK WFKGKWVDLS SKVGQHLQLH DSYDRASKVY LFELHITDAQ PAFTGSYRCE</p> <p>VSTKDKFDCS NFNLTVHEAM GTGDLDLLSA FRRTSLAGGG RRISDSHEDT GILDFSSLLK</p> <p>KRDSFRTPRD SKLEAPAEED VWEILRQAPP SEYERIAFYQ GVTDLRGLMK RLKGMRRDEK</p> <p>KSTAFQKKLE PAYQVSKGHK IRLTVELADH DAEVKWLKNG QEIQMSGSKY IFESIGAKRT</p> <p>LTISQCSLAD DAAYQCVVGG EKCSTELFVK EPPVLITRPL EDQLVMVGQR VEFECEVSEE</p> <p>GAQVKWLKDG VELTREETFY YRFKKDQQRH HLIINEAMLE DAGHYALCTS GGQALAEIV</p> <p>QEKKLEVYQS IADLMVGAKD QAVFKCEVSD ENVRGVWLKN GKELVPDSRI KVSHIGRVHK</p> <p>LTIDDVTPAD EADYSFVPEG FACNLSAKLH FMEVKIDFVP RQEPPIHLD CPGRIPDTIV</p> <p>VVAGNKLRLD VPISGDPAPT VIWQKAITQG NKAPARPAPD APEDTGDSDE WVFDKLLCE</p>

TEGRVRVETT KDRSIFTVEG AEKEDEGVYT VTVKNPVGED QVNLTVKVID VPDAPAAPKI  
SNVGEDSCTV QWEPPAYDGG QPILGYILER KKKKSYRWMR LNFDLIQELS HEARRMIEGV  
VYEMRVYAVN AIGMSRPSPA SQPFMPIGPP SEPTHLAVED VSDTTVSLKW RPPERVGAGG  
LDGYSVEYCP EGCSEWVAAL QGLTEHTSIL VKDLPTGARL LFRVRAHNMA GPGAPVTTTE  
PVTVQEILQR PRLQLPRHLR QTIQKKVGEP VNLLIPFQGK PRPQVTWTKE GQPLAGEEVS  
IRNSPTDIL FIRAARRVHS GTYQVTVRIE NMEDKATLVL QVVDKPSPPQ DLRVTDWGL  
NVALEWKPPQ DVGNTLWGY TVQKADKKTW EWFTVLEHYR RTHCVPELI IGNGYYFRVF  
SQNMVGFSR AATTKEPVFI PRPGITYEPP NYKALDFSEA PSFTQPLVNR SVIAGYTAML  
CCAVRGSPKP KISWFKNGLD LGEDARFRMF SKQGVLTLEI RKPCPFDGGI YVCRATNLQG  
EARCECRLEV RVPQ **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:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>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.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>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.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

Target Details

Target: MYBPC3

## Target Details

Alternative Name:	MYBPC3 ( <a href="#">MYBPC3 Products</a> )
Background:	Myosin-binding protein C, cardiac-type (Cardiac MyBP-C) (C-protein, cardiac muscle 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:	140.8 kDa
UniProt:	<a href="#">Q14896</a>

## 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