

Datasheet for ABIN7562551

MYBPC3 Protein (AA 1-1270) (His tag)



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Overview

Quantity:	1 mg
Target:	MYBPC3
Protein Characteristics:	AA 1-1270
Origin:	Mouse
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 AFNKKPRSAE VTAGSAAVFE AETERSGVMV RWQRDGS DIT ANDKYGLAAE</p> <p>GKRHTLTVRD ASPDDQGSYA VIAGSSKVKF DLKVTEPAPP EKAESEVAPG APEEVPAPAT</p> <p>ELEESVSSPE GSVSVTQDGS AAHQGAPDD PIGLFLMRPQ DGEVTVGGS I VFSARVAGAS</p> <p>LLKPPVVKWF KGKWVDLSSK VGQHLQLHDS YDRASKVYLF ELHITDAQTT SAGGYRCEVS</p> <p>TKDKFDSCNF NLTVHEAIGS GDLDLRSAFR RTSLAGAGRR TSDSHEDAGT PDFSSLLKKR</p> <p>DSFRRDSKLE APAEEDVWEI LRQAPPSEYE RIAFQHGVEA CHRPLKRLKG MKQDEKKSTA</p> <p>FQKKLEPAYQ VNKGHKIRLT VELADPDAEV KWLKNGQEIQ MSGSKYIFES VGAKRTL TIS</p> <p>QCSLADDAAY QCVVGGEKCS TELFVKEPPV LITRSLDQL VMVGQRVEFE CEVSEEGAQV</p> <p>KWLKDGVELT REETFKYRFK KDGRKHHLII NEATLEDAGH YAVRTSGGQS LAELIVQEKK</p> <p>LEVYQSIADL AVGAKDQAVF KCEVSDENVR GWWLKNGKEL VPDNRIKVSH IGRVHKL TID</p> <p>DVTPADEADY SFVPEGFACN LSAKLHFMEV KIDFVPRQEP PKIHLDCPGS TPDTIVVVTG</p> <p>NKLRLDVPIS GDPAPT VVWQ KTVTQGGKAS AGPHPDAPED AGADEEWWFD KKLLCETGR</p>

VRVETTKDRS VFTVEGAEKE DEGVYTVTVK NPVGEDQVNL TVKVIDVPDA PAAPKISNVG
EDSCTVQWEP PAYDGGQPVL GYILERKKKK SYRWMRLNFD LLRELSHEAR RMIEGVAYEM
RVYAVNAVGM SRPSPASQPF MPIGPPGEPT HLAVEDVSDT TVSLKWRPPE RVGAGGLDGY
SVEYCEGCS EWTPALQGLT ERRSMLVKDL PTGARLLFRV RAHNVAGPGG PIVTKEPVTV
QEILQRPRLQ LPRHLRQTIQ KKVGEPVNLL IPFQ GKPRPQ VTWTKEGQPL AGEEV SIRNS
PTDTILFIRA ARRTHSGTYQ VTVRIENMED KATLILQIVD KPSPQQDIRI VETWGFNVAL
EWKPPQDDGN TEIWGYTVQK ADKKTMEWFT VLEHYRRTHC VVSELIIGNG YYFRVFSHNM
VGSSDKAAAT KEPVFIPRPG ITYEPPKYKA LDFSEAPSFT QPLANRSIIA GYNAILCCAV
RGSPKPKISW FKNGLDLGED ARFRMFCKQG VLTLEIRKPC PYDGGVYVCR ATNLQGEAQC
ECRLEVRVPQ **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">• 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). <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
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Target Details

Alternative Name:	Mybpc3 (MYBPC3 Products)
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:	140.6 kDa
UniProt:	O70468

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