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Datasheet for ABIN7554650

MYBPC1 Protein (AA 1-1141) (His tag)

Overview

Quantity:	1 mg
Target:	MYBPC1
Protein Characteristics:	AA 1-1141
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This MYBPC1 protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant MYBPC1 Protein expressed in mammalian cells.
Sequence:	MPEPTKKEEN EVPAPAPPE EPSKEKEAGT TPAKDWTLVE TPPGEEQAKQ NANSQLSILF IEKPQGGTVK VGEDITFIK VKAEDLLRKP TIKWFKGKWM DLASKAGKHL QLKETFERHS RVYTFEMQII KAKDNFAGNY RCEVTYKDKF DSCSFDLEVH ESTGTTPNID IRSAFKRSGE GQEDAGELDF SGLLKRREVK QQEEEPQVDV WELLKNAKPS EYEKIAFQYG ITDLRGMLKR LKRMRREEKK SAAFAKILDY AYQVDKGGRV RFVVELADPK LEVKWYKNGQ EIRPSTKYIF EHKGCQRILF INNCQMTDDS EYYVTAGDEK CTELVFVREP PIMVTKQLED TTAYCGERVE LECEVSEDDA NVKWFKNQEE IIPGPKSRYP IRVEGKKHIL IIEGATKADA AEYSVMTTGG QSSAKLSVDL KPLKILTPLT DQTVNLGKEI CLKCEISENI PGKWTKNGLP VQESDRLKVV HKGRIHKLVI ANALTEDEGD YVFAPDAYNV TLPKAVHVID PPKIILDGLD ADNTVTVIAG NKLRLAIPIS GEPPPKAMWS RGDKAIMEGS GRIRTESYPD SSTLVIDIAE RDDSGVYHIN LKNEAGEAHA SIKVKVVDFF DPPVAPTVE VGDDWCIMNW EPPAYDGGSP ILGYFIERKK KQSSRWMLN FDLCKETTFE PKKMIEGVAY EVRIFAVNAI GISKPSMPSR PFVPLAVTSP

Product Details

PTLLTVDSVT DTTVTMRWRP PDHIGAAGLD GYVLEYCFEG STSAKQSDEN GEAYDLPAE
DWIVANKDLI DKTKFTITGL PTDKIFVRV KAVNAAGASE PKYYSQPILV KEIEPPKIR IPRHLKQTYI
RRVGEAVNLV IPFQGKPRPE LTWKKDGAEI DKNQINIRNS ETDTIIFIRK AERSHSGKYD
LQVKVDFVE TASIDIQIID RPGPPQIVKI EDVWGENVAL TWTPPKDDGN AAITGYTIQK
ADKKSMEWFT VIEHYHRTSA TITELVIGNE YYFRVFSENM CGLSEDATMT KESAVIARDG
KIYKNPVYED FDFSEAPMFT QPLVNTYAIA GYNATLNCSV RGNPKPKITW MKNKVAIVDD
PRYRMFSNQG VCTLEIRKPS PYDGGTYCCK AVNDLGTVEI ECKLEVKVIA 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: MYBPC1

Alternative Name: MYBPC1 ([MYBPC1 Products](#))

Background: Myosin-binding protein C, slow-type (Slow MyBP-C) (C-protein, skeletal muscle slow

Target Details

isoform),FUNCTION: Thick filament-associated protein located in the crossbridge region of vertebrate striated muscle a bands. Slow skeletal protein that binds to both myosin and actin (PubMed:31264822, PubMed:31025394). In vitro, binds to native thin filaments and modifies the activity of actin-activated myosin ATPase. May modulate muscle contraction or may play a more structural role. {ECO:0000269|PubMed:31025394, ECO:0000269|PubMed:31264822}.

Molecular Weight: 128.3 kDa

UniProt: [Q00872](#)

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