

## Product datasheet for **SC204233**

### MYBPC1 (NM\_002465) Human 3' UTR Clone

#### Product data:

**Product Type:** 3' UTR Clones  
**Product Name:** MYBPC1 (NM\_002465) Human 3' UTR Clone  
**Vector:** pMirTarget (PS100062)  
**Symbol:** MYBPC1  
**Synonyms:** LCCS4; MYBPCC; MYBPCS; MYOTREM; ssMyBP-C  
**ACCN:** NM\_002465  
**Insert Size:** 496 bp  
**Insert Sequence:** >SC204233 3'UTR clone of NM\_002465  
The sequence shown below is from the reference sequence of NM\_002465. The complete sequence of this clone may contain minor differences, such as SNPs.  
**Blue**=Stop Codon **Red**=Cloning site

```
GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
CAACAGTCATTGCACAATAAGGATTTTGAATGTATAATATCATCTAAGGTGGGCTCTCCTTCTGCAGA
CTCCTCTTGCAAGGCGTACCTCCAACATAATTGATTGATCTGCGAGACTTACACTCAAGCAATCCT
GAGGAATACTGAGGGAGGCGCTGCTACTGTCTCTGCACTCTGCTGCTTTGAAATCTGTTGAAATG
AGAAAAAGCATTCTGTTTTCCACCAGGCCCAAGTGTGGTCTTTTTCTTCTCCTAATGTTGAA
GAGAAAAAAAAAAAAAAAAAGTTTGCCAGATTGCTTAATAAAAATTGCAAAACAAAATCTCATTGAAG
TCAGCACTTTGGTCATTATTATCTGCTCACTGTATTATACTTTACAAAAATGCAAGTCATAGAATAA
GCAAAAGCAGTTATTTTGTACATAGTAGGCTATAAATGCTTTTTTTTTCTCTCAGAGTAAAAAAC
ATAACACAATGCA
ACGCGTAAGCGGCCGCGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
```

**Restriction Sites:** SgfI-MluI

**OTI Disclaimer:** Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

**Components:** The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

**RefSeq:** [NM\\_002465.4](#)



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**Summary:**

This gene encodes a member of the myosin-binding protein C family. Myosin-binding protein C family members are myosin-associated proteins found in the cross-bridge-bearing zone (C region) of A bands in striated muscle. The encoded protein is the slow skeletal muscle isoform of myosin-binding protein C and plays an important role in muscle contraction by recruiting muscle-type creatine kinase to myosin filaments. Mutations in this gene are associated with distal arthrogryposis type I. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Dec 2011]

**Locus ID:**

4604

**MW:**

19.2