

## Product datasheet for **MC224123**

### Mybpc3 (NM\_008653) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mybpc3 (NM_008653) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mybpc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC224123 representing NM_008653 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCTGGTGTGACTGTTCTCAAGATGCCGGAGCCAGGGAAGAAACCAGTGTGACGCTTCAACAAGAAGC  
CAAGGTCAGCGGAGGTGACCGCTGGCAGTGTGCCGTGTTTCGAGGCTGAGACGGAGCGGTGAGGCGTGAA  
GGTGGCGGTGGCAGCGGGATGGCAGCGACATCACCGCCAATGACAAGTATGGTTTGGCAGCAGAGGGCAAG  
CGACACACTGACAGTGCAGGATGCGAGCCCTGATGACCAGGGTTCCTACGCGGTGATTGACAGGCTCCT  
CAAAGGTCAAGTTTACCTCAAGTGCAGAGCCAGCCCTCCAGAGAAGGCAGAATCTGAAGTTGCTCC  
AGGAGCCCCAAAGAAGTCCCTGCTCCAGCCACTGAGTTGGAAGAAAGTGTCTCAAGTCCCTGAAGGGTCA  
GTCTCGGTAACCCAGGATGGCTCAGCTGCAGAGCATCAGGGAGCCCTGATGACCCATTGGCCTTTTC  
TGATGCGACCACAGGATGGTGAGGTGACCGTGGGCGGCAGCATTGCTTCTCAGCCCGAGTGGTGGGGC  
CAGCCTCTGAAACCGCCTGTGGTCAAGTGGTTCAAGGGCAAGTGGTGGACCTGAGCAGCAAAGTGGGC  
CAGCACCTGCAGCTGCATGACAGCTATGACAGAGCCAGCAAGGTCTACTTGTGAGTTGCACATCACAG  
ATGCTCAGACCACTTCTGCTGGGGCTACCGCTGTGAGGTGTCTACCAAGGACAAATTTGACAGCTGTA  
CTTCAACCTCACTGTCCATGAGGCCATTGGTTCTGGAGACCTGGACCTCAGATCAGCTTTCCGACGCAG  
AGCCTGGCGGGAGCAGGTCCGAGAACCAGTGCAGCCATGAAGATGCTGGGACTCTGGACTTTAGTTCCC  
TGCTGAAGAAGAGAGACAGTTTCCGGAGGGACTCAAAGCTGGAGGCACCTGCTGAAGAAGACGTGTGGGA  
GATCCTGAGACAGGCACCGCCGTCAGAATATGAGCGCATCGCCTTCCAGCACGGAGTGCAGACCTTCGA  
GGCATGCTGAAGAGGCTCAAGGGCATGAAGCAGGATGAAAAGAAGAGCACAGCCTTTCAGAAGAAGCTGG  
AGCCTGCCTACCAGGTAACAAGGGCCACAAGATTCGGCTTACTGTGAACTGGCTGATCCGGACGCCGA  
AGTCAAGTGGCTTAAGAATGGACAGGAGATCCAGATGAGTGGCAGCAAGTACATCTTCGAGTCCGTCCGT  
GCCAAGCGCACCTGACCATCAGCCAGTGTCTACTGGCTGACGACGCAGCCTACCAAGTGTGTGGTGGGG  
GCGAGAAGTGCAGCACGGAGCTTTTGTCAAAGAGCCCCGGTGTGATCACTCGGTCCCTGGAAGACCA  
GCTGGTGTGGTGGTGCAGCGGGTGGAGTTTGTGAGTGTGAGTCTCAGAAGAAGGGGCCAAAGTGG  
CTGAAGGATGGGTTGAGCTGACACGTGAGGAGACCTTCAAATACCGGTTCAAGAAGATGGGCGGAAAC  
ACCACTTGATCATCAATGAAGCAACCCTGGAGGATGCAGGACACTATGCAGTACGCACAAGTGGAGGCCA



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GTCACCTGGCTGAGCTCATTGTGCAAGAGAAGAAGTTGGAGGTATACCAAAGCATCGCGGACCTGGCAGTG  
 GGAGCCAAGGACCAGGCTGTGTTAAGTGTGAGGTTTCAGATGAGAATGTACGCGCGGTGTGGCTGAAGA  
 ATGGGAAGGAAGTGGTGCCTGACAAACCCGATAAAGGTGTCCCATATAGGCCGGGTCCACAACTGACCAT  
 TGACGATGTCACACCTGCTGATGAGGCTGACTACAGCTTTGTCCCTGAAGGGTTTGCCTGCAACCTGTCT  
 GCCAAGCTCCACTTCATGGAGGTCAAGATTGACTTTGTGCCTAGGCAGGAACCTCCCAAGATCCACTTGG  
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 CCACACCTGATGCCCCAGAAGATGCTGGTGTGATGAGGAGTGGGTGTTTGATAAGAAGCTGTTGTGTG  
 AGACTGAGGGCCGGTCCGGGTGGAGACCACAAAGACCCGACGCTCTTTACAGTGAAGGGCAGAGAA  
 GGAAGATGAAGGTGTCTACACAGTACAGTAAAGAACCCCGTGGGCGAGGACCAGGTCAACCTCACAGTC  
 AAGGTCATCGATGTCCAGATGCTCCTGCGGCCCTAAGATCAGCAACGTGGGCGAGGACTCCTGCACTG  
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 CCTCTCAGCCCTTCATGCCTATTGGGCCCTGGCGAACCAACCCACTTGGCTGTGGAGGATGTGTGAGA  
 CACCCTGCTCACTCAAGTGGCGGCCCCAGAGCGCGTGGGGCCGGTGGCCTGGACGGATACAGCGTG  
 GAGTACTGCCAGGAGGGATGCTCCGAGTGGACACCTGCTCTGCAGGGGCTGACAGAGCGCACATCGATGC  
 TGGTGAAGGACCTACCCACTGGGGCAGGCTGCTGTTCCGAGTACGGGCACACAATGTGGCAGGTCTGG  
 AGGCCCTATCGTACCAAGGAGCCTGTGACAGTGCAGGAGATACTGCAACGACCAGGCTCCAACCTGCC  
 AGACACCTGCGCCAGACCATCCAGAAGAAAGTTGGGGAGCCTGTGAACCTCCTCATCCCTTTCCAGGGCA  
 AACCCCGCCTCAGGTGACCTGGACCAAGAGGGGCAGCCCTGGCAGGTGAGGAGGTGAGCATCCGGAA  
 CAGCCCCACAGACAGCATCTTGTTCATCCGAGCTGCCCGCCGACCCACTCGGGCACCTACCAGGTGACA  
 GTTCGATTGAGAACATGGAGGACAAGGCAACGCTGATCTGCAGATTGTGGACAAGCCAAGTCCCTCCC  
 AGGATATCCGGATCGTTGAGACTTGGGGTTTCAATGTGGCTCTGGAGTGAAGCCACCCCAAGATGATGG  
 CAATACAGAGATCTGGGTTATACTGTACAGAAAGCTGACAAGAAGACCATGGAGTGGTTCACGGTTTTG  
 GAACACTACCGACGCACTCACTGTGTGGTATCAGAGCTTATCATTGGCAATGGCTACTACTTCCGGGTCT  
 TCAGCCATAACATGGTGGTTCCAGTGACAAAGCTGCCGCCACCAAGGAGCCAGTCTTTATTCCAAGACC  
 AGGCATCACATATGAGCCACCAATAACAAGGCCCTGGACTTCTCTGAGGCCCAAGCTTCAACCAGCCC  
 TTGGCAAATCGCTCCATCATTGCAGGCTATAATGCCATCCTCTGCTGTGCTGTCCGAGGTAGTCTAAGC  
 CCAAGATTTCTGGTTCAAGAATGGCCTGGATCTGGGAGAAGATGCTCGCTTCCGCATGTTCTGCAAGCA  
 GGGAGATTGACCCTGGAGATCAGGAAACCTGCCCTATGATGGTGGTGTCTATGTCTGCAGGGCCACC  
 AACTTGCAGGGCGAGGCACAGTGTGAGTGCCGCTGGAGGTGCGAGTTCTCAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Chromatograms:** [https://cdn.origene.com/chromatograms/ja2172\\_b01.zip](https://cdn.origene.com/chromatograms/ja2172_b01.zip)

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_008653

**Insert Size:** 3837 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_008653.2](#), [NP\\_032679.2](#)

**RefSeq Size:** 4163 bp

**RefSeq ORF:** 3837 bp

**Locus ID:** 17868

**Cytogenetics:** 2 E1