

## Product datasheet for **MC229397**

### Mybpc1 (NM\_001252372) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mybpc1 (NM_001252372) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mybpc1
Synonyms:	8030451F13Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC229397 representing NM_001252372 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCAGAACCCTAAGAAAGAGGAAAATGAAGTGTCCGCCAGCCCTCCCCGGAAGAATGGTCTC  
TTGGTGTGACCTGCTGGCGGGAAGAGCAGGACAAACAGAATGCCAACTCCAGCTGTCCACCCTGTT  
TGTTGAAAACCTCAAACCGGATCGGTGAAAGTTGGTGCAAACATCACCTTTGTAGCCAAAGTTAGGGCT  
GAAGATCTTCTTAGAAAACCCACTGTCAAATGGTTCAAGGGGAAATGGATGGATCTGGCCAGCAAAGCCC  
GGAAACACCTGCAGCTGAAGGAGACCTTCGAGAGGCAAACCTCGGGTATACACATTCGAGATGCAGATCAT  
CAAAGCCAAAGAGAACTACGCAGGGAATTATAGGTGTGAGGTACCTACAAGGATAAATTTGACAGCTGT  
TCGTTTGTCTTGAAGTCCATGAGTCTACTGGGACTACTCCAAACATTGACATCAGATCTGCCTTCAAAA  
GAAGTGGAGAAGGTCAAGAGGATGCAGGGGAACCTGACTTTAGTGGTCTCCTGAAACGTAGGGAGGTGAA  
GCAGCAGGAAGAGGAGCCTGAGATAGACGTGTGGGAGCTGCTGAAAAATGCCAACCCCAACGAATACGAG  
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GAGGTGTCTGAAGATGACCCAATGTAATAATGGTTTAAAGATGGTGAAGAGATCTTCCCTGGTCCAAAGT  
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TCACAAGGGAAGAATCCCAAGTTAGTCATAGCCAATGCTCTCATTGAAGATGAAGGTGAATATGTATT  
ACACCAGATGCCTACAATGTTCTTTGTCTGCCAAAGTTCATGTCATCGACCCTCCAAGATCATCTCG



ATGGCCTGGATGCTGATAACACAGTGACAGTGATAGCTGGAAGCAAGCTTCGCCTGGAGATTCTGTCCAC  
 AGGGGAACCACCTCCCAAAGCCATCTGGAGCCGAGCAGATAAAGGCTATTATGGAAGGCAGTGGTCCGGATC  
 AGGGCAGAATCCTACCCTGACAGCAGCACACTGGTCATTGACGTGGCAGAGAGAGACGACTCTGGTGTGT  
 ACAACATAAAATCTGAAAAATGAGGCTGGAGAAGCACATGCAAGCATCAAGATTAAGGTTGTGGATATCCC  
 TGATCCTCCAGTGGCACCAAATGTGACAGAAGTGGGAGATGACTGGTGCATCATGAACTGGGAGCCTCCT  
 GCCTATGATGGAGGGTCTCCAATCTTAGGATACTTTATTGAGAGGAAAAAGAAACAAAGCTCCAGGTGGA  
 TGAGACTGAATTTGATCTCTGCAAAGAGACAACCTTTTGGAGCCCAAGAAGATGATTGAAGCGGTGGCCTA  
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 AGTGGAGGCCCCAGATCAGATTGGCGCAGCAGGTTTAGATGGCTATGTGCTAGAGTATTGCTTTGAAGG  
 AACTGAGGACTGGATAGTTGCAAACACAGACCTGATCGACAAGACCAAGTTCACCATCAATGGTCTGCC  
 ACGGATGCGAAGATCTTTGTACGTGTGAAGGCTATTAACGCGGCTGGGGCTAGTGAGCCCAAGTACTATT  
 CTCAGCCCATCCTTGTGAAGAAATCATTGAGCCACCAAGATTCGCATCCCAAGGCATCTGAAGCAAAC  
 TTACATCCGCAGAGTCGGAGAAGCTGTCAATCTGGTGATTCTTTTCAGGGTAAACCAAGACCAGAGTTG  
 ACCTGGAAGAAGGACGGTGAAGAAATTGACAAGAATCAAATAAACATTGCAACTCAGAACTGATACCA  
 TCATATTCATCCGAAAAGCAGAGCGGAGCCACTCGGGCAAGTACGACCTCGAGGTCAAAGTGGATAAATA  
 CGTGAAAATGCCTCTATCGACATCCAGATTGTTGACCGTCCAGGTCCACCCAGACTGTGACTATTGAA  
 GATGTGTGGGGAGAGAATGTTGCCCTAACATGGACACCACCAAGGACGATGGGAATGCTGCCATCACAG  
 GGTACACCATCCAGAAGGCCGACAAGAAAAGCATGGAATGGTTCACCGTCATTGAACATTACCACCGAAC  
 CAACGCCACCATTAAGTACTGAGCTGGTCATAGGGAACGAGTATTACTCCGGGTCTTTGCTGAAAACATGTGC  
 GGCCTTAGCGAGGATGCAACTATGACGAAGGAGAGTGCAGTGATTGCCAAGGACGGTAAGATCTATAAAA  
 ATCCAGTGACGAAGACTTCAATTTACAGAGGCCCCCATGTTTACTCAACCTTTGGTTAACACCTATGC  
 CATCGCTGGTTACAATGCCACCCTGAAGTGCAGCGTCCGAGGAAATCCCAAGCCAAAATCACCTGGATG  
 AAAAAACAAGTGGCTATTGTGGATGACCAAGATACAGAATGTTACGAACCAAGGAGTCTGTACCCTGG  
 AGATCCGCAAGCCTAGTCTTATGACGGAGGCACGTAAGTCTGCAAGCAGTCAATGACCTCGGGACGGT  
 GGAGATTGAATGCAAACTGGAGGTGAAAGTGATATATCAAGGAGTAAATACCCCTGGACAGCCAGTCTCC  
 CTGGAGGGGCAGCAACAGTCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001252372
- Insert Size:** 3384 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
- 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\_001252372.1, NP\_001239301.1

**RefSeq Size:** 3941 bp

**RefSeq ORF:** 3384 bp

**Locus ID:** 109272

**Cytogenetics:** 10 C1