

Product datasheet for **MC216664**

Mybph (NM_016749) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mybph (NM_016749) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Mybph
Synonyms:	A1385643; MyBP-H
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC216664 representing NM_016749
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGGAAAAGCCACCTCTGAGGCTTCTGTCTCTACTCCAGAGGAGACAGCACCTGAGCCTGCCAAGG
 TGCCCACTACAGAGCCTTCTGGAGAGGTGGCAGCATCAGAGTCCACCGGCAAGAGCAGGCTCCAGAGCC
 ACAGAAGCCTCAGGCACAGGATCCTGCAGCTCCTGCAGCTTCTGCCATGCCCGCAGCCACTAAGCCTGAA
 CCTCCGAGTGAAGATGTCCCCAGTGCCCACTGCGGCTGACCTTGGAGGATGTGAGCCACAGCTCCTTGA
 CTGTGAGCTGGGAGCCCCCGAGAAGCTGGGCAAAGCTGGGGTTCAAGGCTATGTGTTGGAGTTCTGTGCG
 AGAGGGAGCCTCAGAATGGGTGCCTGTGAATCCCCGGCCCGTGATGGTGACCCAGCAGACGGTTCGAAAC
 CTGGCCCTGGGAGACAAGTTCTTCTGCGTGTGACTGCAGTAAGCTCAGCAGGGGAGGCCCTCCAGCCG
 TTCTGGACCAGCCTGTCCACATCCAAGAGATCACTGAAGCCCCAAGATCCGTGTTCCCCGACACCTTCG
 TCAGACCTACATCCGCCAGGTGGGAGAGTCAGTCAACCTGCAAAATCCCCTCCAGGGGAAGCCCAAGCCA
 CAGGTCTCTTGGACCCACAATGGCCACGCTCTGGACAACCAGAGAGTTAATGTGCGCAGCGGGGACCAGG
 ACTCCATCCTCTTATTGCTCTGCTCAGCGCGCAGACTCAGGCCGCTATGAGCTCACCGTGCATCTGGA
 AGGCTTGAAGCCAAGGCCAGCATTGACATCCTGGTGATTGAGAAGCCCGGGCCCCGAGCAGCATCAAG
 CTAAGTGGATGTCTGGGTTGCAATGCTGCCCTCGAGTGGACACCACCCAGGACACAGGCAACACAGAGC
 TCCTGGGTACACAGTACAGAAGGCAGACAAAAGGACAGGGCAATGGTTCACAGTGTGGAGCGCTATCA
 CCCCACCCTGCACCATCTCAGACCTCATTTGGCAACTCGTACTCTTTTCGGGTCTTCTCAGAAAAC
 CTGTGTGGCCTCAGTGACTTAGCCACCACCACCAAGGAGCTGGCTCACATCCACAAGGCAGATATTACTG
 CCAAACCTAGAGAGTTTATTGAGCGAGACTTCTCAGAAGCGCCCTCGTTACCCAGCCCTGGCTGACCA
 TACCTCCACTCCTGGCTATAGCACGAGCTTTTCTGCAGCGTCCGAGCATCACCTAAGCCCAAGATCATC
 TGGATGAAAAACAAGATGGACATCCAGGGTGACCCCAAGTACCGTGCCTCTCCGAGCAAGGGGTCTGCA
 CCCTGGAGATCCGGAAGCCAGCCCTTTGATTCTGGGTCTACACTTGAAGGCCATCAACGTGCTAGG
 GGAGGCCCTCTGTGGATTGTCGGCTGGAGGTTAAAGCTTCTGCCACACACTAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_016749
- Insert Size:** 1452 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).
- 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_016749.2](#), [NP_058029.2](#)
RefSeq Size: 1856 bp
RefSeq ORF: 1452 bp
Locus ID: 53311
UniProt ID: [P70402](#)
Cytogenetics: 1 E4
Gene Summary: Binds to myosin; probably involved in interaction with thick myofilaments in the A-band.
[UniProtKB/Swiss-Prot Function]