

Product datasheet for **RN210264**

Mybph (NM_031813) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mybph (NM_031813) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mybph
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN210264 representing NM_031813
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACAGGAAAAGCCACCCCTGAGGCTTCTGTCTCTACTTCAGAGGGACAGCACCTGAGCCTGCCAAGG
 TGCCCACTCCAGAGCCTTCTGGACAGGTGGCAGCATCAGAGTCCACGGGCAAGAGCAGGCTCCAGAGCC
 ACAGAAGCAGCCTCAGGCACAGGACCCTGCAGCCACGAAGCTCCCGCCACACCTGCCACCACTAAGCCT
 GAAGCTCCGAGCGAAGATGTCCCACTGCCCCACTGCAGCTGACCTTGGAGGATGTGAGCCACAGCTCCT
 TGAAGTGTGAGCTGGGAGCCTCCGGAGGACCTGGGAAGCTGGGGCTCCAGGGCTATGTGTTGGAGCTGT
 CAGAGAGGGAGCCTCAGAATGGGTACCTGTGAATCCCCGGCCCGTGATGGTGACCCAGCAGACAGTTCGA
 AACCTGGCTCTGGGAGACAAGTCTTCTGCGCTGACTGCAGTAACTCCGAGGGGCGGCCCTCCAG
 CTGTGCTAGACCAGCCTGCCACATCCAGGAGTCACTGAAGCCCCAAGATCCGTGTTCCCGACACCT
 TCGTCAGACCTATATCCGCCAGGTGGGAGAGTCTGTCAACTTGCAAATCCCTTCCAGGGGAAGCCCAAG
 CCGCAGGCCTCTTGGACCCACAATGGCCACGCCCTGGACAGCCAGAGAGTTAATGTGCGCAGTGGGGACC
 AGGACTCCATCCTCTTCACTTCGCTCAGCTCAGCGCTCAGACTCAGGCCGCTATGAGCTCACTGTCCGTCT
 GGAAGGCTTGAAGCCAAGGCCGCAATTGACATCCTGGTGATCGAGAAGCCCGGCCCTAGTAGCATC
 AAGCTATTGGATGTCTGGGGTTCGAATGCTGCCCTTGAGTGGATGCCACCCAGGACACGGGAAACACAG
 AGCTCCTGGGCTACACAGTGCAGAAGGCAGAAAAAGACAGGGCAATGGTTCACAGTGTGGAGCGATA
 CCACCCACCACCTGCACCGTCTCAGACCTCATATTGCAACTCGTACTCTTTTCGGGTCTTCTCAGAA
 AACCTGTGTGGCTCAGTACTTAGCCACCACCAAGGAGCTGGCTCACATCCACAAGGCAGCTATCA
 CTGCCAAACCTAGAGAGTTTACTGAGCGAGACTTCTCAGAACCAGCCCTCCTTACCCAGCGGTGGCTGA
 CCGTACCTCCACTCCTGGCTATAGCACGCAGCTTTTCTGAGCGTCCGAGCGTCACCTAAGCCTAAGATC
 ATCTGGATGAAAAACAAGATGAGTATCCAGGGGACCCCAAGTATCGTGCTGTCTCCGAGCAAGGGTCT
 GCACCCTGGAGATCCGGAAGCCAGCCCTTTGATTCTGGGTCTACACTTGCAAGGCCATCAACGTGCT
 AGGAGAGCCTGCCGTGGATTGTCGGTTGGAGGTTAAAGCCTCTGCCACACACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_031813
- Insert Size:** 1455 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_031813.1, NP_114001.1](#)
RefSeq Size: 1782 bp
RefSeq ORF: 1455 bp
Locus ID: 83708
UniProt ID: [O88599](#)
Cytogenetics: 13q13
Gene Summary: skeletal muscle myosin binding protein [RGD, Feb 2006]