

## Product datasheet for **MC219437**

### PPP1R18 (NM\_001146710) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R18 (NM_001146710) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R18
Synonyms:	2310014H01Rik; AA407849; AI450394
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC219437 representing NM\_001146710  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGACCGCTATCCAGATTGGAAGCTACAGTTGCTAGCCCGCGGAGGCAGGAGGAGGCAGCGGTTCTGTG  
 GCCGCGAGAAAGCAGAACGGGATCGCTTGTCCAGATGCCAGCCTGGAAGAGGGGAATCCTGGAACGACG  
 CAGAGCCAAGTTGGCCCTGCCTCCTGGAGAGGGGAGCCCTGTGCCTGGGAATGCTGAGGCTGGACCTCCA  
 GACCCAGATGAATCTGCTGCTCTTTGGAGGCTATTGGACCAGTACATCAGAATCGATTCAACACAGG  
 AGCGACAGCGGCAGCAGCAACAGCAGCAGCAGAGAAAACGAGGTGCTTGGTATAGGAAGGCTGGGCC  
 TCTGGAGGTTCTAGAAAGGAGATCAAGTCTGGTAATTTAAGAGATCAGAGTCTAAGGGAAGAGAGTCC  
 AGAGAAGAGAGGTAAGTCCCCGGGAGTCCAGAGATAGGAGGCTGGTATAGGGGAGCCCAAGAGTCAA  
 GTTCGAGGTCTTTCGAGACTGGAGGCAGAGCCAGCAGAGGCCAGAGACCTGAGTTCAGACCAGCAGA  
 GGCTCAGAAATGGAGGCTGAGCCCTGGAGAAATCCAGAGGAGAGTCTGAGATTAGCGGGTCTGGAGAT  
 GACAGTCCAAGAGAAAGGAGGTGTTGGAAAGCATTCTGAGCCCTGGGGAGCCTGGTGACCAGAAGGCCA  
 GCCCGACAGATGTCCATAAATGGAATCTTGACTCAAGAGAACCCAGAAAACAGAGCTTGATACAGCTGGA  
 GGCCACAGAGTGGAGGCTGAAGTCCGGTGAAGAGAGGAAAGACTACTTGAAGGGTGTGGGAGAGAGGAA  
 GAGAAATTGAGTTCAGGGATTGTTCCGGTGACAAAGGAGGTTCAAGACATCACCTCGAGCGAAGTGGAGA  
 CTGCTGAGCAGAGACCCACTGAAAGCTGGAAATGGACCCAAACTCTGGGAAGGCTCGAGAACGGACGAC  
 CTGGGACATAGATACACAAACTCAGAAGCCAGATCCTCCAGCATCTTCAGAGAAGCACCCAGGACCTTCT  
 GGTATGGAGGCTGAAGAGGAGGCTGAGAAGGAGGAGCGGAGGCTCAGAGCAGGCCTCTGAGAGCCAGC  
 AGAACCTCTGCTCTGGGCCCTCCCCCTCCACCCAGAGCACTCTGGGACGGAAGGCTCCAGACAGCAGGA  
 AGAGGAAGCGGCAGAACCCCGGCCCAACACCAGCCCTCTGTCTCCCCACCCTCGGCCCAACTGCC  
 CCCCACCCCTCTGGGATCCCCTCATGAGCCGTCTGTTCTATGGGGTGAACACAGGACCGGGGGTGGGGG  
 CCCCCGCGCAGTGGACACACCTTCACTGTCAACCCACGGAGGTGTGCGCCCCCTGCCAGCCAGCCCC  
 TCCAGTCAACCCTGCTACAGCTGATGCTGCAGGGTCTGGATCTGGGAAGAAGCGGTACCCAACTGCAGAG  
 GAGATCTTGGTGTGGGGGGCTACCTCCGTCTCAGCCGACGCTGCCTTGTCAAGGGTCCCCTGAAAGAC  
 ATCACAAACAGCTCAAGATCTCCTTTAGTGAGACAGCCCTGGAGACCACATACCAATACCCTTCTGAGAG  
 CTCGGTACTGGAGATCTAGGCCGGAGCCTGAGACCCCAATTGCCCTTAGCAACCCAGCCTGACGAG  
 GAGGAGGAGGAGGAGGAAGAGGAGGAGTTGCTTCTGCAGCCTGGGCTCCAGGGCGGGCTGCGCACCA  
 AGGCCCTAATCGTGGATGAGTCTGCCGCGGTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001146710
- Insert Size:** 1785 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\\_001146710.1](#), [NP\\_001140182.1](#)

**RefSeq Size:** 2671 bp

**RefSeq ORF:** 1785 bp

**Locus ID:** 76448

**UniProt ID:** [Q8BQ30](#)

**Cytogenetics:** 17 B1

**Gene Summary:** May target protein phosphatase 1 to F-actin cytoskeleton.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) differs in the 5' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.