

## Product datasheet for **MC216386**

### **Ppm1h (NM\_176919) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppm1h (NM_176919) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppm1h
Synonyms:	A430075L18Rik; ARHCL1; C030002B11Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC216386 representing NM\_176919  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTCACTCGAGTAAATCTGCCGTGGCCAATTCATGGGCGGCATCATGGCTGGCAGCTCCGGCTCCG  
 AGCACGGCGGGAGCGGCTGCGGAGGCTCGGACCTGCCCTGCGCTTCCCGTACGGGCGGCCGGAGTTCCT  
 CGGGCTGTCTCAGGATGAGGTGGAGTGCAGCGCAGACCACATCGCCCGCCCATCCTCATCTCAAGGAG  
 ACCCGGGCGGCTGCCCTGGGCCACTGGCTACGCAGAGGTTATTAATGCTGGGAAGAGCACACACAATGAGG  
 ACCAAGCCAGCTGCGAGGTGCTCACAGTGAAGAAGAAAGCCGGAACCATTACTCCACCCCGAACAGAAA  
 CTCCAAGAGAAGGTCATCACTTCCAACGGGGAAGGCCTGCAGTTAAAGGAGAACTCTGAGTCCGAAGGC  
 ATCTCTGCCACTACTGGTCCCTGTTTGACGGTCACGCAGGCTCGGGGGCTGCCGTGGTGGCATCGCGCC  
 TGCTGCAGCACCACATCACGCAACAGCTGCAGGACATCGTGGAGATCCTGAAGAACTCGGCCATCCTTCC  
 CCCGACCTGCCTGGGGGAGGAGCCAGAGAGCACGCCAGCCACGGCAGGACCCTAACCCGCGCGGCCTCA  
 CTGCGTGGAGGTGTGGGTGCCCGGGCTCCCCAGTACGCCACCCACGGCCTTCTTCACTGAGAAGAAGA  
 TCCCGCACGAGTGTCTGGTTCATCGGGCCCTGGAGAGCGCTTTCAGGAATGGACCTTCAATCGAACG  
 CGAGAGGAGTGCCTATAATATCTGGCGGCTGCACGGCCCTCATCGTGGTTTGCCTCTTGGGGAAGCTC  
 TATGTGGCGAATGCTGGCGACAGCGGGCCATAATCATCAGAAATGGAGAAATCATCCCCATGTCTCCG  
 AATTCACCCCTGAGACTGAGCGCCAGAGACTTCAGTACCTGGCGTTCATGCAGCCCCACTGTGGGAAA  
 TGAGTTACACATTTGGAGTTTCCAAGGAGAGTGCAGAGGAAGAACTCGGAAGAAGATGCTGTACCGG  
 GACTTTAATATGACAGGCTGGGCATACAAAACCATTTGAGGATGATGACTTGAAGTCCCCCTTATATATG  
 GAGAAGGCAAGAAGGCCCGAGTAATGGCAACTATTGGAGTGACGAGGGGACTTGGGGACCATGACTTAAA  
 GGTTTCATGACTCCAACATCTACATAAAACCATTCCTGTCTTCAGCTCCAGAGGTACAGAGTCTACGATCTC  
 TCCAGATATGAGCACGGAGCAGATGACGTGCTGATCCTGGCTACTGATGACTCTGGGATGTCTTATCCA  
 ACGAAGAAGTAGCGGAAGCAATCACTCAGTTTCTCCTAACTGTGATCCAGACGACCCTCACAGGTTTGT  
 GCCTTTA**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_176919

**Insert Size:** 1410 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\\_176919.4](#), [NP\\_795893.2](#)

RefSeq Size: 2947 bp

RefSeq ORF: 1410 bp

Locus ID: 319468

UniProt ID: [Q3UYC0](#)

Cytogenetics: 10 D2

**Gene Summary:** Dephosphorylates CDKN1B at 'Thr-187', thus removing a signal for proteasomal degradation. [UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (2) lacks the 3' terminal exon and its transcription extends past a splice site that is used in variant 1, resulting in a novel 3' coding region and 3' UTR compared to variant 1. It encodes isoform 2 which is shorter and has a distinct C-terminus, compared to isoform 1.