

## Product datasheet for **RN216822**

### **Ppm1h (NM\_001271079) Rat Untagged Clone**

#### **Product data:**

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                     |
| Product Name:      | Ppm1h (NM_001271079) Rat Untagged Clone |
| Tag:               | Tag Free                                |
| Symbol:            | Ppm1h                                   |
| Vector:            | pCMV6-Entry (PS100001)                  |
| E. coli Selection: | Kanamycin (25 ug/mL)                    |
| Cell Selection:    | Neomycin                                |



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**Fully Sequenced ORF:** >RN216822 representing NM\_001271079  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCTCACTCGGGTGAATCTGCCGTGGCCAATTCATGGCGGCATCATGGCTGGCAGCTCCGGCTCCG  
 AGCACGGCGGCAGCGGCTGCGGAGGCTCGGACCTGCCCTGCGCTTCCCGTACGGCGGCCAGAGTTCCT  
 CGGGCTGTCTCAGGATGAGGTGGAGTGCAGCGCAGACCACATCGCCCGCCCATCCTCATCTCAAGGAG  
 ACCCGGGCGGCTGCCCTGGGCCACGGGCTACGCAGAGGTTATTAATGCTGGAAAGAGCACACACAATGAGG  
 ACCAAGCCAGCTGCGAGGTGCTCACAGTGAAGAAGAAAGTTGGGACCATTACTTCCACCCGAACAGAAA  
 TTCCAAGCGAAGGTCATCCCTTCCAACGGGGAAGGCCTGCAGTTAAAGGAGAACTCTGAGTCTGAGGGC  
 ATCTCCTGCCACTACTGGTCCCTGTTTGTATGGCCACGCAGGCTCAGGTGCTGCTGTGGTGGCATCGCGCC  
 TGCTGCAGCACCACATCACACAACAGCTGCAGGACATCGTGGAGATCCTGAAGAACTCCGCCATCCTTCC  
 CCCGACCTGCCTAGGGGAGGAGCCAGAGAGCACGCCGGCCATGGCAGGACCCTAACCCGCGCAGCCTCA  
 CTGCGTGGAGGGTGGGTGCCCCCGGCTCCCCAGCACACCACCCACGCGCTTCTTACGGAGAAGAAGA  
 TTCTCATGAGTGTGGTTCATCGGGGCCCTGGAGAGCGCCTTCAAGGAAATGGACCTTCAAATGAACG  
 GGAGAGGAGTGCATATAATATATCCGGTGGCTGCACGGCCCTCATCGTGGTTTGCCTTCTGGGGAAGCTC  
 TACGTGGCAAATGCAGGTGACAGCAGGGCCATAATCATCCGAAATGGAGAAATCATCCCCATGTCTTCCG  
 AATTCACCCCTGAGACTGAGCGTCAGAGACTTCACTACCTGGCGTTTATGAGCCTCACTTGCTGGGAAA  
 TGAGTTACACACTTGGAGTTTCCAAGGAGAGTACAGAGGAAAGAACTCGGGAAGAAGATGCTGTACCGG  
 GACTTTAACATGACAGGCTGGGCATACAAAACCATTTGAGGATGATGACTTGAAGTTTCCCCTTATATAG  
 GAGAAGGCAAGAAGGCCCGGGTAATGGCAACTATTGGAGTGACAAGGGGACTTGGGGACCATGACCTGAA  
 GGTTTCATGACTCCAACATCTACATAAAAACCATTCCTGTCTTACGCTCCAGAGGTACAGAGTCTACGATCTC  
 TCCAAATACGAGCACGGAGCGGATGACGTGCTGATCCTGGCTACTGATGACTCTGGGATGTCTTATCAA  
 ATGAAGAAGTAGCGGAAGCAATCACTCAGTTTCTTCTAACTGTGATCCAGATGACCCTCACAGGTACAC  
 ACTGGCAGCTCAGGACCTGGTATGCGTGGCCGAGGCGTCTGAAGGACCGAGGATGGCGGATATCAAAT  
 GACCGACTGGGCTCAGGAGATGACATTTCTGTATACGTCATTCTTTAATACACGGAAACAACTGTCAT  
 GA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271079  
**Insert Size:** 1542 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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).

|                               |   |
|-------------------------------|---|
| <b>OTI Annotation:</b>        | Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.  |
| <b>Components:</b>            | 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).  |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol> |
| <b>RefSeq:</b>                | <u><a href="#">NM_001271079.2</a></u> , <u><a href="#">NP_001258008.1</a></u>   |
| <b>RefSeq Size:</b>           | 2794 bp   |
| <b>RefSeq ORF:</b>            | 1542 bp   |
| <b>Locus ID:</b>              | 314897  |
| <b>UniProt ID:</b>            | <u><a href="#">Q5M821</a></u>   |
| <b>Cytogenetics:</b>          | 7q22  |
| <b>Gene Summary:</b>          | Dephosphorylates CDKN1B at 'Thr-187', thus removing a signal for proteasomal degradation. [UniProtKB/Swiss-Prot Function]   |