

Product datasheet for **MG216846**

Ppm1h (NM_176919) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1h (NM_176919) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Ppm1h
Synonyms:	A430075L18Rik; ARHCL1; C030002B11Rik
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG216846 representing NM_176919
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCACTCGAGTGAATCTGCCGTGGCCAATTCATGGCGGCATCATGGCTGGCAGCTCCGGCTCCG
 AGCACGGCGGGAGCGGCTGCGGAGGCTCGGACCTGCCCTGCGCTTCCCGTACGGCGGGCCGGAGTTCCT
 CGGGCTGTCTCAGGATGAGGTGGAGTGCAGCGCAGACCACATCGCCCGCCCATCCTCATCTCAAGGAG
 ACCCGGGCGGCTGCCCTGGGCCACTGGCTACGCAGAGGTTATTAATGCTGGGAAGAGCACACACAATGAGG
 ACCAAGCCAGCTGCGAGGTGCTCACAGTGAAGAAGAAAGCCGGAACCATTACTCCACCCGAACAGAAA
 CTCCAAGAGAAGTCACTCTCCAACGGGGAAGGCCTGCAGTTAAAGGAGAACTCTGAGTCCGAAGGC
 ATCTCTGCCACTACTGGTCCCTGTTTGACGGTCACGCAGGCTCGGGGGCTGCCGTGGTGGCATCGCGCC
 TGCTGCAGCACCACATCACGCAACAGCTGCAGGACATCGTGGAGATCCTGAAGAACTCGGCCATCCTTCC
 CCCGACCTGCCTGGGGGAGGAGCCAGAGAGCACGCCAGCCACGGCAGGACCCTAACCCGCGCGGCCTCA
 CTGCGTGGAGGTGTGGGTGCCCGGGCTCCCCAGTACGCCACCCACGCGCTTCTCACTGAGAAGAAGA
 TCCCGCACGAGTGTCTGGTCACTCGGGCCCTGGAGAGCGCTTCAAGGAATGGACCTTCAAATCGAACG
 CGAGAGGAGTGCCTATAATATCTGGCGGCTGCACGGCCCTCATCGTGGTTTGCCTCTTGGGGAAGCTC
 TATGTGGCGAATGCTGGCGACAGCGGGCCATAATCATCAGAAATGGAGAAATCATCCCCATGTCTTCCG
 AATTCACCCCTGAGACTGAGCGCCAGAGACTTCAGTACCTGGCGTTTATGCAGCCCCACTGTCTGGGAAA
 TGAGTTACACATTTGGAGTTTCCAAGGAGAGTGCAGAGGAAGAACTCGGAAGAAGATGCTGTACCGG
 GACTTTAATATGACAGGCTGGGCATACAAAACCATTTGAGGATGATGACTTGAAGTTCCCCCTATATATG
 GAGAAGGCAAGAAGGCCGAGTAATGGCAACTATTGGAGTGACGAGGGGACTTGGGGACCATGACTTAAA
 GGTTTCATGACTCCAACATCTACATAAAAACCATTCCTGTCTTCAGCTCCAGAGGTACAGAGTCTACGATCTC
 TCCAGATATGAGCACGGAGCAGATGACGTGCTGATCCTGGCTACTGATGACTCTGGGATGTCTTATCCA
 ACGAAGAAGTAGCGGAAGCAATCACTCAGTTTCTCTAACTGTGATCCAGACGCCCTCACAGGTTTGT
 GCCTTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG216846 representing NM_176919
 Red=Cloning site Green=Tags(s)

MLTRVKSAVANFMGGIMAGSSGSEHGSGCGGSDLPLRFPYGRPEFLGLSQDEVECSADHIARPILILKE
 TRRLPWATGYAEVINAGKSTHNEDQASCEVLTVKKKAGTITSTPNRNSKRRSSLPNGEGLQLKENSESEG
 ISCHYWSLFDGHAGSGAAVVASRLLQHHITQQLQDIVEILKNSAILPPTCLGEEPESTPAHGRTLTRAAS
 LRGGVAGPSPSTPPTRFFTEKKIPHECLVIGALESFAFKEMDLQIERERSAYNISGGCTALIVVCLLGKL
 YVANAGDSRAIIIRNGEIIIPMSSEFTPETERQLYLAFMQPHLLGNEFTHLEFPRRVQRKELGKKMLYR
 DFNMTGWAYKTIEDDDLKFLPIYGEGKKARVMATIGVTRGLGDHDLKVHDSNIYIKPFLSSAPEVRVYDL
 SRYEHGADDVLI L ATDGLWDVLSNEEVAEAITQFLPNCDDPDPHRFVPL

TRTRPLE - GFP Tag - V

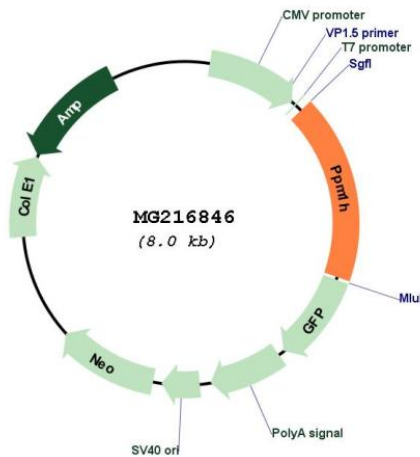
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_176919

ORF Size: 1407 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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]