

Product datasheet for **MR216846**

Ppm1h (NM_176919) Mouse Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide Sequence:

>MR216846 representing NM_176919
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTCACTCGAGTGAATCTGCCGTGGCCAATTCATGGCGGCATCATGGCTGGCAGCTCCGGCTCCG
 AGCACGGCGGGAGCGGCTGCGGAGGCTCGGACCTGCCCTGCGCTTCCCGTACGGGCGGCCGGAGTTCCT
 CGGGCTGTCTCAGGATGAGGTGGAGTGCAGCGCAGACCACATCGCCCGCCCATCCTCATCTCAAGGAG
 ACCCGGGCGTGCCTGGCCACTGGCTACGCAGAGGTTATTAATGCTGGGAAGAGCACACACAATGAGG
 ACCAAGCCAGCTGCGAGGTGCTCACAGTGAAGAAGAAAGCCGGAACCATTACTCCACCCCGAACAGAAA
 CTCAAGAGAAGTCACTCTCCAACGGGGAAGGCCTGCAGTTAAAGGAGAACTCTGAGTCCGAAGGC
 ATCTCTGCCACTACTGGTCCCTGTTTGACGGTCACGCAGGCTCGGGGGCTGCCGTGGTGCATCGCGCC
 TGCTGCAGCACCACATCACGCAACAGCTGCAGGACATCGTGGAGATCCTGAAGAACTCGGCCATCCTTCC
 CCCGACCTGCCTGGGGGAGGAGCCAGAGAGCACGCCAGCCACGGCAGGACCCTAACCCGCGCGGCCTCA
 CTGCGTGGAGGTGTGGGTGCCCGGGCTCCCCAGTACGCCACCCACGCGCTTCTCACTGAGAAGAAGA
 TCCCGCACGAGTGTCTGGTTCATCGGGCCCTGGAGAGCGCTTCAAGGAAATGGACCTTCAAATCGAACG
 CGAGAGGAGTGCCTATAATATCTGGCGGCTGCACGGCCCTCATCGTGGTTTGCCTCTTGGGGAAGCTC
 TATGTGGCGAATGCTGGCGACAGCGGGCCATAATCATCAGAAATGGAGAAATCATCCCCATGTCTCCG
 AATTCACCCCTGAGACTGAGCGCCAGAGACTTCAGTACCTGGCGTTTCATGCAGCCCCACTGTGGGAAA
 TGAGTTACACATTTGGAGTTTCCAAGGAGAGTGCAGAGGAAGGAACTCGGGAAGAAGATGCTGTACCGG
 GACTTTAATATGACAGGCTGGGCATACAAAACCATTTGAGGATGATGACTTGAAGTTCCCCCTTATATG
 GAGAAGGCAAGAAGGCCCGAGTAATGGCAACTTTGGAGTGCAGAGGGGACTTGGGGACCATGACTTAAA
 GGTTTCATGACTCCAACATCTACATAAAAACCATTCCTGTCTTCAGCTCCAGAGGTGAGAGTACGATCTC
 TCCAGATATGAGCACGGAGCAGATGACGTGCTGATCCTGGCTACTGATGACTCTGGGATGTCTTATCCA
 ACGAAGAAGTAGCGGAAGCAATCACTCAGTTTCTCCTAACTGTGATCCAGACGACCCTCACAGGTTTGT
 GCCTTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR216846 representing NM_176919
 Red=Cloning site Green=Tags(s)

MLTRVKSAVANFMGGIMAGSSGSEHGGSGCGSDLPLRFPYGRPEFLGLSQDEVECSADHIARPILILKE
 TRRLPWATGYAEVINAGKSTHNEDQASCEVLTVKKKAGTITSTPNRNSKRRSSLPNGEGLQLKENSESEG
 ISCHYWSLFDGHAGSAAVVASRLLQHHITQQLQDIVEILKNSAILPPTCLGEEPESTPAHGRTLTRAAS
 LRGGVGPSPSTPPTRFFTEKKIPHECLVIGALESFAFKEMDLQIERERSAYNISGGCTALIVVCLLGKL
 YVANAGDSRAIIIRNGEIIIPMSSEFTPETERQRLQYLAFMQPHLLGNEFTHLEFPRRVQRKELGKKMLYR
 DFNMTGWAYKTIEDDLKFPLIYGEGKKARVMATIGVTRGLGDHDLKVHDSNIYIKPFLSSAPEVRVYDL
 SRYEHGADDVLI L ATDGLWDVLSNEEVAEAITQFLPNCDDPDPHFRVPL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9042_g10.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



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

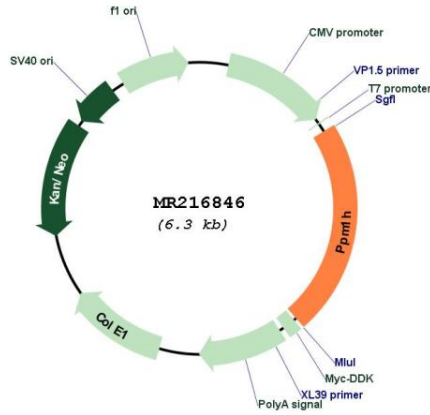
UniProt ID: [Q3UYC0](#)

Cytogenetics: 10 D2

MW: 52 kDa

Gene Summary: Dephosphorylates CDKN1B at 'Thr-187', thus removing a signal for proteasomal degradation. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR216846