

Product datasheet for **MR218309**

Ppm1h (NM_001110218) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1h (NM_001110218) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppm1h
Synonyms:	A430075L18Rik; ARHCL1; C030002B11Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR218309 representing NM_001110218
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGCTCACTCGAGTGAATCTGCCGTGGCCAAATTCATGGCGGCATCATGGCTGGCAGCTCCGGCTCCG
 AGCACGGCGGGAGCGGCTGCGGAGGCTCGGACCTGCCCTGCGCTTCCCGTACGGCGGGCCGGAGTTCCT
 CGGGCTGTCTCAGGATGAGGTGGAGTGCAGCGCAGACCACATCGCCCGCCCATCCTCATCTCAAGGAG
 ACCCGGGCGTGCCTGGGCCACTGGCTACGCAGAGGTTATTAATGCTGGGAAGAGCACACAAATGAGG
 ACCAAGCCAGCTGCGAGGTGCTCACAGTGAAGAAGAAAGCCGGAACCTTACTTCCACCCGAACAGAAA
 CTCAAGAGAAGTCACTTCCCAACGGGAAGGCCTGCAGTTAAAGGAGAACTCTGAGTCCGAAGGC
 ATCTCTGCCACTACTGGTCCCTGTTTGACGGTCACGCAGGCTCGGGGGCTGCCGTGGTGGCATCGCGCC
 TGCTGCAGCACCACATCACGCAACAGCTGCAGGACATCGTGGAGATCCTGAAGAACTCGGCCATCTTCC
 CCCGACCTGCCTGGGGGAGGAGCCAGAGAGCACGCCAGCCACGGCAGGACCCTAACCCGCGCGGCCTCA
 CTGCGTGGAGGTGTGGGTGCCCGGGCTCCCCAGTACGCCACCCACGGCTTCTTCACTGAGAAGAAGA
 TCCCGCACGAGTGTCTGGTTCATCGGGCCCTGGAGAGCGCTTCAAGGAAATGGACCTTCAAATCGAACG
 CGAGAGGAGTGCCTATAATATCTGGCGGCTGCACGGCCCTCATCGTGGTTTGCCTCTTGGGGAAGCTC
 TATGTGGCGAATGCTGGCGACAGCGGGCCATAATCATCAGAAATGGAGAAATCATCCCCATGTCTCCG
 AATTCAACCCCTGAGACTGAGCGCCAGAGACTTCAGTACCTGGCGTTTATGCAGCCCCACTGTCTGGGAAA
 TGAGTTACACATTTGGAGTTTCCAAGGAGAGTGCAGAGGAAGAACTCGGGAAGAAGATGCTGTACCGG
 GACTTTAATATGACAGGCTGGGCATACAAAACCTATTGAGGATGATGACTTGAAGTTCCCCCTATATATG
 GAGAAGCAAGAAGGCCCGAGTAATGGCAACTTTGGAGTGCAGAGGGGACTTGGGGACCATGACTAAA
 GGTTTCATGACTCCAACATCTACATAAAAACCTTCTGTCTTCCAGCTCCAGAGGTGAGAGTCTACGATCTC
 TCCAGATATGAGCACGGAGCAGATGACGTGCTGATCCTGGCTACTGATGACTCTGGGATGTCTTATCCA
 ACGAAGAAGTAGCGGAAGCAATCACTCAGTTTCTTCTAACTGTGATCCAGACGACCCTCACAGATACAC
 ACTGGCGGCTCAGGACCTGGTATGCGTGGCGGAGGCTCTGAAGGACCGAGGGTGGCGGATATCGAAT
 GACCGACTGGGCTCAGGAGATGACATTTCTGTATATGTCATTCTTTAATACACGGAAACAACTGTCA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR218309 representing NM_001110218
 Red=Cloning site Green=Tags(s)

MLTRVKSAVANFMGGIMAGSSGSEHGSGCGGSDLPLRFPYGRPEFLGLSQDEVECSADHIARPILILKE
 TRRLPWATGYAEVINAGKSTHNEDQASCEVLTVKKKAGTITSTPNRNSKRRSSLPNGEGLQKENSESEG
 ISCHYWSLFDGHAGSGAAVVASRLLQHHITQQLQDIVEILKNSAILPPTCLGEEPESTPAHGRTLTRAAS
 LRGGVGPAGSPSTPPTRFFTEKKIPHECLVIGALESAFKEMDLQIERERSAYNISGGCTALIVVCLLGLK
 YVANAGDSRAIIIRNGEIIIPMSSEFTPETERQLQYLAFMQPHLLGNEFTHLEFPRRVQRKELGKKMLYR
 DFNMTGWAYKTIEDDDLKFLPIYEGGKARVMATIGVTRGLGDHDLKVHDSNIYIKPFLSSAPEVRVYDL
 SRYEHGADDVLILATDGLWDVLSNEEVAEAITQFLPNCDDPHRYTLAAQDLVMRARGVLKDRGWRISN
 DRLGSGDDISVYVIPLIHGNKLS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

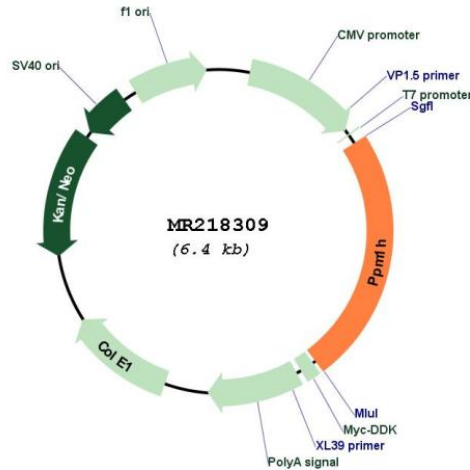
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001110218

ORF Size: 1539 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_001110218.1](#), [NP_001103688.1](#)

RefSeq Size: 6413 bp

RefSeq ORF: 1542 bp

Locus ID: 319468

UniProt ID: [Q3UYC0](#)

Cytogenetics: 10 D2

MW: 56.8 kDa

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