

Product datasheet for **RR215612**

Ppm1d (NM_001105825) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1d (NM_001105825) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ppm1d
Synonyms:	Wip1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR215612 representing NM_001105825
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGGCTGTACTCTCTGGGAGTGAGCGTCTTCTCTGACCAGGGCGGGAGGAAGTACATGGAGGACG
 TAACTCAGATTGTGGTGAACCCGAGCCCGCTGCGGAGGACAAGCCGGCCCGGTACCCCGCGGGCGCT
 CGGGCTGCCGGCGACCCCATCTCTCGTCGGCGTGGGCCATCGGAAAAGGCCCGCGGGCCCGCGAC
 CCTGCCCGGACGCCGGCCTCGCTACCCGCTGGACGCTGCTGTGCGCCGCGCTCCTCGGTGGCCTTCT
 TCGCTGTGTGCGACGGGCACGGCGGGGGAGGCGGCACAGTTTGCCCGGAGCACTTGTGGGTTTCAT
 CAAGAAGCAGAAAGGCTTACCTCGTCCGAGCCCGCAAGGTGTGCGCTGCCATCCGCAAAGGCTTCTC
 GCCTGTCACTCGCCATGTGAAGAAATGGCAGAATGGCCAAAGACTATGACAGGTCTTCCAGCACGT
 CCGGAACAACCTGCCAGTGTGTTATCATACGGGCATGAAGATGTATGTAGCTCATGTAGGTGACTCTGG
 AGTGGTCTTGAATTCAGGATGACCCAAAGGATGATTTTGTGAGAGCTGTGGAGGTGACACAAGATCAC
 AAGCCAGAATTCCCAAGGAAAGAGAAAGAATTGAAGGACTTGGCGGGAGTGTGATGAACAAGTCTGGAG
 TGAATCGTGTAGTTTGGAAAAGACCTCGGCTCACTCACAGTGGACCTGTGAGAAGGAGTACAGTCATTGA
 TCAGATTCCTTTCTTGGCCGTAGCAAGAGCACTTGGTGAATGTGGAGCTATGATTTCTTCAAGTGAAG
 TTTGTGGTGTACCTGAACCGGACACCAGTGTCCACACTTGACCCCGAGAAGCACAAGTATATATATCC
 TGGGAAGTGTGGGCTTTGGAATATGGTCCACCTCAAGATGCCATCTCCATGTGCCAAGACCAAGAGGA
 GAAAAAATACTTGATGGGTGAGCAAGGACAGTCTTGTGCTAAAATGCTTGTGAATCGAGCACTTGGCCG
 TGGAGGCAGCGTATGCTTCGAGCAGATAACACAAGTCCATAGTAATCTGCATCTCTCCAGAAGTAGATA
 ATCAAGGGAACCTTACCAATGAAGATGAGCTCTTCTGAACCTGACTGATAGCCCTACTTACAACGCCA
 AGAAACCTGTGTGATGACTCCTTCTCCAAGTTCTACACCACAGTCAAGTCACTGGAAGAAGATCCATGG
 CCAAGGCTGAACCTAAGGACCATATACCTGCCCTTGTTCGACAGTAAATGCCTTCTCAGAGAAGTTTTAG
 AGGTCCCAGCTGAGATAGCTCGAGGAAGTATCCAGACTGTAGTCATGACCTCAAAAGACTCAGAGACT
 TGAAGAAAATTGCCCAAAGCCCTGACTTTAAGGATTCATGATCTTTGAATAATACTCTGTCAGTTGGC
 CTCATGCCAACCAATTCAACAAATACTATCATGGACCAAAAAATTTAAAGATGTCAACTCCAGGTCAA
 TGAAGCTCAAGAAGTTGAAAGAACCCTCCAGCCAATTTAAAAGGACATTAGAAGAATCCAACCTGG
 TCCCTTATGAAGAAGCATCGACGAAATGGCTTAAGTCGAAATAGCGGGCCCAAGCTTCGAGTCTCCCC
 ACAGCATCCAGCGCAGGCACTGTGCACTGACCATGAGGCGCAGACTCCGGGGCCAGAAGAAGATGG
 GGATCCTCTTTACATCAGCACCGAAAACAGTGTGTGTGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR215612 representing NM_001105825
 Red=Cloning site Green=Tags(s)

MAGLYSLGVSVFSDQGGGRKYMEDVTQIVVEPEPAEDKPAPVPRRALGLPATPSLVGVGSPGKPAARD
 PAPDAAAASLPAGRCCRRSSVAFFAVCDGHGGREAAQFAREHLWGFIKKQKGFSSSEPAKVCAAIRKGF
 ACHLAMWKLAEPKMTMTGLPSTSGTTASVVIIRGMKMYVAHVGDGSGVVLGIQDDPKDDFVRAVEVTQDH
 KPPELPERERIEGLGGSVMNKSGVNRVWKRPRLTHSGPVRRSTVIDQIPFLAVARALGDLWSYDFFSGK
 FVVSPEPDTSVHTLDPQKHXYIILGSDGLWNMVPQDAISMCQDQEEKYLMEGQQSCAKMLVNRALGR
 WRQRMLRADNTSAIVICISPEVDNQGNTNEDELFLNLTDSPTYNSQETCVMTSPSPSTPPVKSLEEDPW
 PRLNSKDHPALVRSNAFSEKFLVPAE IARGSIQTVVMTSKDSETLEENCPKALTLRIHDSLNTLSVG
 LMPNTSNTIMDQKNLKMSTPGQMKAEVERTPPANFKRTLEESNSGPLMKKHRRNGLSRNSGAQASSLP
 TASQRRHSVTLTMRRLRGQKMGNPLLHQHRKTVCV

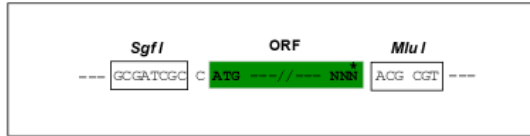
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

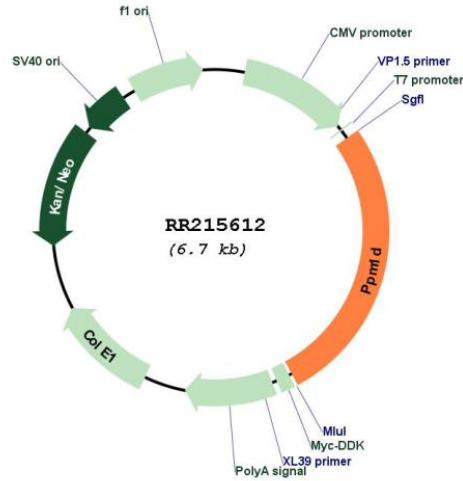
Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001105825

ORF Size: 1794 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:	<ol style="list-style-type: none"> 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_001105825.2 , NP_001099295.2
RefSeq Size:	2909 bp
RefSeq ORF:	1797 bp
Locus ID:	287585
Cytogenetics:	10q26
MW:	65.7 kDa