

Product datasheet for **MC203640**

Ppm1d (NM_016910) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1d (NM_016910) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppm1d
Synonyms:	AV338790; Wip1
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC051966
CGCAGTGCTCGGCTCCTCTCGCCCGGACTCGACCGGCCAGCTCTCGCGGACAAGTCCCAGATCACG
CGCCCCCCCCACCGCCGCGGGGACCGCCTCTTCACTCTCGGCTTCGTGAAGATAAACAATAGTTG
GCCGGCGAGCGCGAGTGTGTCTCCGCTCGGAATTCGGCGGGCTGCGTGGAACGCGGGGATCCCGGG
CAGCCGGCCATGGCGGGCTGTACTCGTGGGAGTGAGCGTCTTCTCGGACCAGGCGGGAGGAAGTACA
TGGAGGACGTAACACTCAGATCGTGGTGGAGCCCGAGCCGGCTGCGGAGGACAAGCCGGCGCCGTACCGCG
GCGGGCGCTCGGGTTGCCGGCGACCCCACTCTCGCCGGCGTGGGCCATCGGAAAAAGGCCCGATGGCG
GCCGCGACCCCTGCCCGGACCGCGGGCTCGCTACCCGCTGGCCGCTGCTGTCCGCGCCTCTTCGG
TGGCCTTCTTTGCAGTGTGCGACGGGCACGGCGGTGCGGAGGCGGCACAGTTGCCCGGAGCACTTGTG
GGTTCATCAAGAAGCAGAAAGGCTTACCTCGTCCGAGCCCGCAAGGTGTGCGCTGCCATCCGAAA
GGTTTCCTCGCTGTACCTCGCCATGTGGAAGAACTGGCAGAAATGGCCAAAGACTATGACAGGTCTTC
CCAGCAGTCCGGGACAACCTGCCAGTGTGGTTATAATACGGGCATGAAGATGTATGTAGCGCATGTAGG
TGACTCTGGGTGGTCTTGAATTCAGGATGACCCAAAGGATGATTTTGTGAGAGCTGTGGAGGTGACA
CAAGATACAAGCCAGAACTTCCAAGGAAAGAGAAAGAATCGAAGGACTTGGCGGCAGTGTGATGAACA
AGTCTGGAGTGAACCGAGTAGTTTGGAAAAGGCCCGGCTCACTCACAGTGGACCTGTGAGAAGGAGCAC
AGTCATTGACCAGATTCCTTTCTGGCTGTAGCAAGAGCGCTTGGTGACTTGTGGAGCTATGATTTCTTC
AGTGGTAAGTTTGTGGTGCACCTGAACCAGACACCAGTGTCCCACTCTTGACCCCGGAGCACAAGT
ATATTATCCTGGGAAGTGTGACTTTGGAATATGGTTCCACCTCAAGATGCCATCTCCATGTGCCAAGA
CCAAGAGGAGAAAAAATACTTGATGGGTGAGCAAGGACAGTCTGTGCCAAAATGCTTGTGAATCGAGCA
CTTGGCCGCTGGAGGCAGCGTATGCTTCGGGCAGATAACACAAGTCCATCGTAATCTGCATCTCTCCAG
AAGTAGACAACCAAGGAACTTCAACATGAAGATGAGCTCTTTCTGAACCTGACTGATAGCCCTACTTA
CAACAGCCAGGAGACCTGTGTGACTTCTTCCAAGTCTACACCACCAATCAAGTACCAGGAAAGAA
GATGCATGGCCAAGGCTGAGCTTAAGGACCATATACCTGCCCTTGTTCGAGTAATGCCTTCTCAGAGA
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AGAGACACTTGAAGAAAATTGCCCAAAGCCCTGACTTTAAGGATTCATGATTCTTTGAATAAATACTCTG
TCAGTTGGCCTCATTCCAACCAATTCAACAAATACTATCATGGACCAAAAAAATAAAGATGTCAACTC
CAGGTCAAATGAAAGCTCAAGAAGTTGAAAGAACCCTCCAGCCAATTTAAAAGGACATTAGAAGAATC
CAACTCTGCCCCCTTATGAAGAAGCACCGACGAAATGGCTTAAGTGAAGTAGCGGGGCCAGGCTTCC
AGTCTCCCTACAGCATCCAGCGCAGGCACTCTGTCAAAGTACCCTGAGGCGCAGACTCAGGGGCCAGA
GGAAGATGGGAAATCCTTCTCCACCAGCACCGAAAACAGTGTGTGTGCTGAGATGGGCTGGGAA
GTGGGGTCTCCCTACCTACGACTGAGGGCTTTTTAAACTTGGTGCAGTGAAGTAAAAAGGGGAT
AAAATAAGAGAATACAGTTTACTTTTTGGAATTTAACAGTTTTATTTGGCCTTGTACTTGCCTGTAT
TATAATGTGAATTTGTAGATGTAGGGAATAAGTTGCTGTAAAATGTGTGTAATTTGTATCCTTTACAC
AAGTTTAGTCTTACTCTGACACATAGTAATTGTGACAGCAGGGCTAATGTTGAAGAAAAGTCAGAAGA
ATCTTTAAGATTTAAAAATGCTTTAAAGTTTTAAAAATGCTTACTACATACTTATATACACCCCTTGT
GAAGAACATGACTTTTTAAAGAAAATTAAGCAAACTGGAAAAGTGAAGTATTTTCATAGTGATCT
GTGCTCCACTTAATGTTTCCAGGGACCATAGTGTCTTTTTAAATTTACATTTTATTTACATTTTATA
CCACTTACACTATGCAGTATCTCCTAATTCAGTGCCTGCTAGAACAGTACATTTGCTGTATTTACT
GAAATCTCTGGCACAGAAGGAAGTGTGTTGCCTCACACACCATTTGCCAGACCAGTGGCATTAGGCC
ATATATCTCTTCTAGTGTGTTGCTTAAAAATATGTGAAGTTTTTCTTGTATTTCAATAACAAATGGTGT
GCTAACACCCAACATTTCTAAATTTTTCTATCATACAGTTTTATTGGTTATATGAGTATGTCTACC
CAATAAATCACTGAATTTAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI
ACCN: NM_016910
Insert Size: 1797 bp

OTI Disclaimer:	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).
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:	BC051966 , AAH51966
RefSeq Size:	2908 bp
RefSeq ORF:	1797 bp
Locus ID:	53892
UniProt ID:	Q9QZ67
Cytogenetics:	11 51.34 cM
Gene Summary:	Involved in the negative regulation of p53 expression. Required for the relief of p53-dependent checkpoint mediated cell cycle arrest. Binds to and dephosphorylates 'Ser-15' of TP53 and 'Ser-345' of CHEK1 which contributes to the functional inactivation of these proteins. Mediates MAPK14 dephosphorylation and inactivation (By similarity). Is also an important regulator of global heterochromatin silencing and critical in maintaining genome integrity (PubMed:24135283).[UniProtKB/Swiss-Prot Function]