

Product datasheet for **MC216476**

Ppm1b (NM_001159496) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1b (NM_001159496) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppm1b
Synonyms:	PP2CB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC216476 representing NM_001159496
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGCATTTTTGGATAAACCCAAAACCTGAAAAGCACAATGCTCACGGTGCTGGGAATGGTCTCGCTT
 ATGGCCTGAGCAGTATGCAAGGATGGAGAGTAGAAATGGAAGATGCACACACAGCTGTTGTGGGTATTCC
 TCACGGCTTGGACAACCTGGTCGTTTTTTCAGTTTATGACGGTCATGCTGGATCCCGAGTGGCAAATTAC
 TGTTCAACACATCTATTAGAACACATCACCAACATGAAGACTTCAGGGCAGCTGACAAATCAGGCTCTG
 CTCTCGAGCCTCAGTAGAAAGTGTGAAGACTGGTATCAGGACTGGCTTTTTGAAAATTGATGAATATAT
 GCGTAACCTCTCAGACCTGAGGAACGGGATGGACAGGAGCGGCTCGACTGCAGTGGGCGTGATGGTCTCC
 CCTACACACATGTAACCTCACTGTGGTGACTCTCGAGCTGTTCTGTGTAGGAACGGACAGGTCTGCT
 TTTCTACCCAGGATCACAAACCTTGTAAATCCAGTGGAGAAGGAGCGCATCCAAAACGCAGGAGGCAGTGT
 GATGATCCAGCGTGTGAACGGCTCACTAGCAGTGTCTCGGGCTCTGGGGACTATGACTACAAGTGTGTG
 GATGGCAAGGGCCCTACAGAGCAGCTTGTTCCTCAGAGCCTGAGGTTTATGAGATTGTGAGAGCAGAAG
 AGGATGAGTTTGTCTTGGCCTGTGATGGGATCTGGGATGTGATGAGCAATGAGGAGCTCTGTGAGTT
 TGTTAAGTCTAGGCTTGGGTGTCGGACGACCTGGAGAATGTGTGCAATTGGGTAGTGGACACTTGTTTA
 CATAAGGGAAGTCGAGATAACATGAGTGTGTATTAGTTTGTCTTTCAAATGCCCAAGGTCTCAGAGG
 AAGCCGTGAAGAGAGATTGAGATTGGATAAGCACTTGGAAATCACGGGTTGAAGAAATCATGCAGAAGTC
 TGGGGAGGAAGGAATGCCTGATCTTGCCATGTGATGCGCATTTTGTCTGCAGAAAATATCCCGAATTTA
 CCTCCCGGGGAGGTCTCGCTGGCAAGCGCCATGTTATTGAAGCTGTTTATAGTAGACTTAATCCACACA
 AAGACAATGATGGGGCCTCCGATGAAGCAGAGGAAGGTGGATCACAGGGGAAATTTGGTGAAGCTCTCAG
 GCAAATGAGAGTTAACCATAGGGGAAACTACCGACAGCTGCTGGAGGAGATGCTGACTAGTTACAGGCTA
 GCTAAAGTAGAGGAGAAGAGAGCCCGGCTGACCCAGCGGCTGCAGCTGCTTCTCGAACAGTGATGGTG
 GAAACCCAGTGGCAATGCAGGAGAGAGACTGAGGGTGGTCTGCTGGCCTAGACAGCCGTAATGAAGA
 TGCAGGGACAAAGAGGAGTGCTGAAAATAT**TGA**

ACCGGTACGGCGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_001159496

Insert Size: 1434 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:

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_001159496.1, NP_001152968.1

RefSeq Size: 2753 bp

RefSeq ORF: 1434 bp

Locus ID: 19043

Cytogenetics: 17 55.13 cM

Gene Summary: Enzyme with a broad specificity. Dephosphorylates PRKAA1 and PRKAA2. Inhibits TBK1-mediated antiviral signaling by dephosphorylating it at 'Ser-172'. Plays an important role in the termination of TNF-alpha-mediated NF-kappa-B activation through dephosphorylating and inactivating IKBKB/IKKB.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) encodes the longest isoform (1).