

Product datasheet for **MC218224**

Ppm1b (BC018556) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppm1b (BC018556) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppm1b
Synonyms:	PP2CB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

Fully Sequenced ORF: >BC018556
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGTGCATTTTTGGATAAACCCAAAACCTGAAAAGCACAATGCTCACGGTGCTGGGAATGGTCTCGCTT
ATGGCCTGAGCAGTATGCAAGGATGGAGAGTAGAAATGGAAGATGCACACACAGCTGTTGTGGGTATTCC
TCACGGCTTGACAACCTGGTCGTTTTTGCAGTTTATGATGGTCATGCTGGATCCCGAGTGGCAAATTAC
TGTTCAACACATCTATTAGAACACATCACCACCAATGAAGACTTCAGGGCAGCTGACAAATCAGGCTCTG
CTCTCGAGCCTCAGTAGAAAGTGTGAAGACTGGTATCAGGACTGGCTTTTTGAAAATTGATGAATATAT
GCGTAACCTCTCAGACCTGAGGAACGGGATGGACAGGAGCGGCTCGACTGCAGTGGGCGTGATGGTCTCC
CCTACACACATGTAACCTCACTGTGGTGACTCTCGAGCTGTTCTGTGTAGGAACGGACAGGTCTGCT
TTTCTACCCAGGATCACAAACCTTGTAAATCCAGTGGAGAAGGAGCGCATCCAAAACGAGGAGGCAGTGT
GATGATCCAGCGTGTGAACGGCTCACTAGCAGTGTCTCGGCTCTGGGGACTATGACTACAAGTGTGTG
GATGGCAAGGGCCCTACAGAGCAGCTTGTTCCTCAGAGCCTGAGTTTTATGAGATTGTGAGAGCAGAAG
AGGATGAGTTTGTCTGCTTGGCCTGTGATGGGATCTGGGATGTGATGAGCAATGAGGAGCTCTGTGAGTT
TGTTAAGTCTAGGCTTGGGTGTGCGACGACCTGGAGAATGTGTGCAATTGGGTAGTGGACACTTGTTTA
CATAAGGGAAGTCGAGATAACATGAGTGTGTATTAGTTTGTCTTTCAAATGCCCAAGGTCTCAGAGG
AAGCCGTGAAGAGAGATTAGAGTTGGATAAGCACTTGGAAATCACGGGTTGAAGAAATCATGCAGAAGTC
TGGGGAGGAAGGAATGCCTGATCTTGCCATGTGATGCGCATTTTGTCTGCAGAAAATATCCCGAATTTA
CCTCCCGTGGAGTCTCGCTGGCAAGCGCCATGTTATTGAAGCTGTTTATAGTAGACTTAATCCACACA
AAGACAATGATGGGCGCTCCGATGAAGCAGAGGAAGGTGGATCACAGGGGAAATGGTGGAAAGCTCTCAG
GCAAAATGAGAGTTAACCATAGGGGAAACTACCGACAGCTGCTGGAGGAGATGCTGACTAGTTACAGGCTA
GCTAAAGTAGAGGGAAGAGAGAGCCCGCTGACCCAGCGGCTGCAGCTGCTTCTCGAACAGTGTGGTG
GAAACCCAGTGGCAATGCAGGAGAGAGACTGAGGGTGGTCTGCTGGCCTAGACAGCCGTAATGAAGA
TGCAGGGACAAAGAGGAGTGTGAAAATATATGA

ACCGGTACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: BC018556

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: [BC018556](#), [AAH18556](#)
RefSeq Size: 2365 bp
RefSeq ORF: 1433 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]