

Product datasheet for MC209216

Ppm1b (NM_001159498) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppm1b (NM_001159498) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ppm1b
Synonyms: PP2CB
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC209216 representing NM_001159498
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGGTGCATTTTGGATAAACCCAAAACCTGAAAAGCACAATGCTCACGGTGTGGGAATGGTCTGCGTT
 ATGGCCTGAGCAGTATGCAAGGATGGAGAGTAGAAATGGAAGATGCACACACAGCTGTTGTGGGTATTCC
 TCACGGCTTGGACAACTGGTCGTTTTTTGCAGTTTATGACGGTCATGCTGGATCCCGAGTGGCAAATTAC
 TGTTCAACACATCTATTAGAACACATCACCACCAATGAAGACTTCAGGGCAGCTGACAAAATCAGGCTCTG
 CTCTCGAGCCTTCAGTAGAAAGTGTGAAGACTGGTATCAGGACTGGCTTTTTGAAAATTGATGAATATAT
 GCGTAACCTTCTCAGACCTGAGGAACGGGATGGACAGGAGCGGCTCGACTGCAGTGGGCGTGATGGTCTCC
 CCTACACACATGTACTTCATCAACTGTGGTGACTCTCGAGCTGTTCTGTGTAGGAACGGACAGGTCTGCT
 TTTCTACCAGGATCACAAACCTTGAATCCAGTGGAGAAGGAGCGCATCCAAAACGCAGGAGGCAGTGT
 GATGATCCAGCGTGTGAACGGCTCACTAGCAGTGTCTCGGGCTCTGGGGACTATGACTACAAGTGTGTG
 GATGGCAAGGGCCCTACAGAGCAGCTTGTCTCCAGAGCCTGAGGTTTATGAGATTGTGAGAGCAGAAG
 AGGATGAGTTTGTGCTTGGCCTGTGATGGGATCTGGGATGTGATGAGCAATGAGGAGCTCTGTGAGTT
 TGTTAAGTCTAGGCTTGAGGTGTGCGACGACCTGGAGAATGTGTGCAATTGGGTAGTGGACACTTGTTTA
 CATAAGGGAAGTCGAGATAACATGAGTGTGTATTAGTTTGTCTTTCAAATGCCCAAGGTCTCAGAGG
 AAGCCGTGAAGAGAGATTGAGAGTTGGATAAGCACTTGAATCACGGGTTGAAGAAATCATGCAGAAGTC
 TGGGGAGGAAGGAATGCCTGATCTTGCCCATGTGATGCGCATTTTGTCTGCAGAAAATATCCCGAATTTA
 CCTCCCGGGGAGGTCTCGCTGGCAAGCGCCATGTTATTGAAGCTGTTTATAGTAGACTTAATCCACACA
 AAGACAATGATGGGTTTTACCAACCTTCAATTGCATACAGTGACAATGTTTTCTATTATGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_001159498
Insert Size:	1182 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:	<u>NM_001159498.1, NP_001152970.1</u>
RefSeq Size:	1580 bp
RefSeq ORF:	1182 bp
Locus ID:	19043
UniProt ID:	<u>P36993</u>
Cytogenetics:	17 55.13 cM
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (4) uses alternate 5' and 3' UTRs and 3' coding sequence compared to variant 1. The resulting isoform (4) has a shorter and distinct C-terminus compared to isoform 1.</p>