

Product datasheet for **RN208616**

Ppm1b (NM_033096) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppm1b (NM_033096) Rat Untagged Clone
Tag: Tag Free
Symbol: Ppm1b
Synonyms: Pp2c2
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN208616 representing NM_033096
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGGTGCATTTTGGATAAACCCAAAACCTGAAAAGCACAAATGCTCACGGTGCAGGGAACGGTCTGCGTT
 ACGGTCTGAGCAGTATGCAAGGATGGAGAGTAGAAATGGAAGACGCACACTGCTGTTGTGGGAATTCC
 TCACGGCTTGGAGGACTGGTCGTTTTTTCAGTCTATGATGGTCATGCTGGATCCCGAGTGGCAAATTAC
 TGTTCAACACATCTATTAGAACACATCACTACCAATGAAGACTTTAGGGCAGCTGACAAATCAGGCTTTG
 CTCTTGAGCCGTCAGTGGAAAATGTTAAGACTGGTATCCGAACTGGCTTTTTGAAAATTGATGAATATAT
 GCGTAACTTTTCAGACCTGAGGAACGGGATGGACAGGAGCGGCTCTACCGCAGTGGGCGTGATGATTTCA
 CCGACACACATCTACTTTATCAACTGCGGTGACTCGAGAGCTGTTCTGTGTAGGAATGGACAAGTCTGCT
 TTTCTACCCAGGATCACAAACCTTGAATCCAATGGAAAAGGAGCGCATCCAAAATGCAGGAGGCAGTGT
 AATGATACAGCGTGTGAATGGTTCGTTAGCAGTGTCTCGTGTCTGGGGACTATGATTACAAGTGTGTT
 GATGGCAAGGGCCACAGAGCAGCTTGTCTCCAGAGCCTGAGGTTTATGAGATTCTAAGAGCAGAAG
 AGGATGAATTTGTCGCTCGCTGGCTTGTGATGGGATCTGGGATGTGATGAGCAATGAGGAGCTCTGTGAGT
 TGTTAACTCTAGGCTTGAGGTGTCAGACGACCTGGAGAATGTGTGCAATTGGGTAGTGGACACTTGTTTA
 CATAAGGGAAGTCGAGATAACATGAGTATTGTGTTAGTTTGTCTTTCGAAATGCCCAAGTCTCAGATG
 AAGCCGTGAAAAGAGATTTAGAGTTGGACAAGCACTTGAATCACGGGTGGAAGAAATCATGCAGAAGTC
 TGGAGAGGAAGGAATGCCTGATCTTGCCCATGTGATGCGCATTTTGTCTGCAGAAAATATCCCAAATTTA
 CCTCCCGGGGAGGCCTCGCTGGCAAGCGCAATGTTATTGAAGCTGTTTATAGTAGACTTAATCCAAACA
 AAGACAATGATGGGGCGCTGGCGATCTAGAAGACTCATTGGTAGCCTTA**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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ACCN:	NM_033096
Insert Size:	1173 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_033096.2</u> , <u>NP_149087.1</u>
RefSeq Size:	3267 bp
RefSeq ORF:	1173 bp
Locus ID:	24667
UniProt ID:	<u>P35815</u>
Cytogenetics:	6q12
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 (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript, and encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>