

## Product datasheet for **MC203403**

### **Ppp3cb (NM\_008914) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppp3cb (NM_008914) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppp3cb
Synonyms:	1110063J16Rik; Calnb; Cnab; CnAbeta
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC066000  
 GGGTCCGCATGTTCCCCGGCGGCGCCGCCGCTTGGCTCTGGTAGCCGCCGCCCGCCCCCAACCCCGC  
 CCGTCCCGGCACCTAGCCGAGCCCCGGGCCAGCATGGCCGCCCGGAGCCGGCCCGGGCCGCGCCGCC  
 CCGCCCCCGCCCCACCGCCCCCTCTCGGGGCCGACCCGCGTGTCAAAGCTGTTCTTTTCCCCAACTC  
 ATCGGCTGACATCTGAAGAAGTGTGGATGGATGGGATACCCAGGTTGATGTTCTGAAGAACCATT  
 GGTAAAAGAAGGCGGGTGGATGAAGAAATGCACTAAGAATTCAATGAGGGTGTGCCATCTCCG  
 CGGAGAAAAACCATGATAGAAGTAGAGGATCACCTGCTAATACAGGATACCTTTTCTTGGTGATTATGT  
 ATCTGATGAACTTTTTGAAGTAGGAGGATCACCTGCTAATACAGGATACCTTTTCTTGGTGATTATGT  
 GGACAGAGGTTATTTAGTATAGAGTGTGTCTTATATTTATGGGCTTGAAGATTCTATACCCAAGCACA  
 TTATTCCTTCTGAGAGGCAACCATGAATGCAGACACCTTACTGAATATTTTACCTTTAAGCAGGAATGTA  
 AAATTAATATTCAGAAAGAGTCTATGAAGCTTGTATGGAGGCTTTTACAGCTTGGCCCTTGTGCACT  
 TCTAAACCAACAATTTCTTTGTGTTTATGGTGGACTTTCACCAGAAATACACACACTGGATGATATTAGG  
 AGATTAGATAGATTTAAGAGCCACCTGCATTTGGACCAATGTGTGACTTGTATGGTCTGATCCTTCTG  
 AAGACTTTGAAATGAAAAATCACAAGAACATTTTGTGATAATACAGTTCGAGGATGTTCTTATTTTTA  
 TAACTATCCAGCAGTGTGTAATTTTGCAAAACAATAATTTGTTATCGATTATTAGAGCTCATGAAGCT  
 CAAGATGCAGGCTATAGAATGTACAGAAAAAGTCAAACACTACAGGGTTTCCCTTATTAATAACAATTTTT  
 CGGCACCTAATTAAGTATGTCTACAATAATAAAGCTGTGTACTAAAGTATGAAAAATAATGTGATGAA  
 CATTTCAGAGTTAATTGCTCTCCACATCCTTATTGGTGGCCCAATTTTATGGATGTCTTACATGGTCT  
 TTACCATTTGTTGGAGAAAAAGTACAGAAATGTTGGTAAATGTTCTGAGTATTTGTTCTGATGATGAAC  
 TAATGACAGAAGGTGAAGACCAGTTTGTGTAGGTTTACGCTGCAGCCGGAAAGAAATCATAAGAAACAA  
 GATCCGAGCAATTGGCAAGATGGCAAGAGTCTTCTGTCTCAGGGAGGAGAGTAAAGCGTGTGACA  
 CTCAAGGGCCTGACTCCACAGGGATGTTGCCTAGTGGAGTGTGGCTGGAGGACGGCAGACCTTGCAAA  
 GTGCCACAGTTGAGGCTATTGAGGCTGAAAAAGCAATACGAGGATTTCTTCCACCACATAGATATGCAG  
 TTTTGAAGAGGCAAGGGTTGGATAGGATCAATGAGAGAATGCCACCCGGAAAGATGCTGTGCAGCAA  
 GATGGTTTCAATTCCTGAACACCGCACATACCACTGAGAACCAGGGACTGGCAACCATAGTGCACAGT  
 GACCAGCGGCTTCCAGGACTCTCACATCTTGGGCCCAATGGACAGATCACTTCAAGGAGCTGGAGG  
 GGTTGACCAAGGTGATGATAAATGTGATAATCTCTCTGAAGAAACCATTGTGCTTCTGAGATCCGTGCC  
 CCCCTTCTGGATGGAGGCTTGGGGCCCTGGGACTTGTGCCGTCTATAAGATTGGGTAATCGTGCCAC  
 AGAGGAGAGCAGTGAAGGGGCTTGGGGCAATTTCCAGTGGAGGATATCTACACCTCCATTTATGCTT  
 GTGGTTACACATTTACGTTTACAAATGAGATTTCTTTGTTTTTCCCCTCAGTAGAATTAGACATTTTT  
 CAACCATGACTTTAAATACAATCTTTAGAGATAACGTGGAACCTCCCCCATCACCCATGAAAT  
 GTCTTTAAAGGATGGATTAGCATGGTCTTAAATATATTTCTGAGGTTACTAGATGATTTTGACTTGT  
 AGACAAAATCTGAGAAACCCAGTTGGTGTATATAAAATGCTGACCTCAGGTTATAGTTCTTAAATGTG  
 GCTAATCTGTAACATAGTCTTGGTATTTTTCAATTATGAATGCATAAACTATTTCTAAGAAGACTCTTA  
 CTTGAACAAAATCCAAAACCAATTTAGATTCTTTTTGGCCATATCTTTTGTGATTTACACCCAGAGA  
 TTTAAGGAAAAACAAAACAAAACAAAATGAAATTTTAAATTTAAGAATTACAGAATTACTCATT  
 AAGGACTTTTAAAGAAGTTGTACATTGTCAAAGTAAATTTAATTCAAATCATGTCTGTAACCTTGA  
 CGTATTTTGTGTATGCATGTTTTTCAATTTGCAAAATTTAATATATAGACCTATGATGTACAGGTACAAC  
 ATGTATAGGTTACGTAGATATTATGAGAAATTTAGTTTATTGGTACTCCAGTTGCTTTAAACCA  
 CCAGGGTATTTGCTGCTGGCTTTGTATCATCTTTATGTTTAAATGCAAAGGAAATTAATAATGCTGGA  
 AATGTTTTTACTAAGTAATGCAGCCTAGAAGCAATGGTCTCTTCAACCTTCAGATGTCTAGTGAAG  
 CATAAAAGTCAAGACTGCATGTCGAAATTTTACTTTTGTAGTTACAGAAGTCTTGGTAAACTAAATG  
 GAACCATGTGCTAATTTTACAGTACTGACCTGTACTGATTACCACTGTAGTTTGGTATTTCCCTTACT  
 TTGGTGGCCTGCTTCCCTCATGCCCTGGAGTACAGCTCATAGCACCAGGCAGCGGAACCATCTGTTGTT  
 TGTTTCCAGAAAGTGCAGCCTGTATGGTCTTCTGTCTAAGTTGGAAATATTATGCATGTGCAGGACTAT  
 TCAAGTATTTTATAAACAGTAGCACACAATAAATTCATGCATGGCAAAAAAAAAAAAAAAAAAAAAA  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Ascl-NotI  
**ACCN:** NM\_008914  
**Insert Size:** 1578 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC066000</a> , <a href="#">AAH66000</a>
<b>RefSeq Size:</b>	3173 bp
<b>RefSeq ORF:</b>	1578 bp
<b>Locus ID:</b>	19056
<b>UniProt ID:</b>	<a href="#">P48453</a>
<b>Cytogenetics:</b>	14 A3
<b>Gene Summary:</b>	Calcium-dependent, calmodulin-stimulated protein phosphatase which plays an essential role in the transduction of intracellular Ca(2+)-mediated signals. Dephosphorylates and activates transcription factor NFATC1. Dephosphorylates and inactivates transcription factor ELK1. Dephosphorylates DARPP32.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).