

## Product datasheet for **MC217284**

### **PPP3cc (NM\_008915) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PPP3cc (NM_008915) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP3cc
Synonyms:	Calnc; PP2BA gamma
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >MC217284 representing NM\_008915  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGTCCGTGAGGGCCCTCAGTTCTCCAGCACCAGCGCGTCATCAAAGCTGTCCCCTTTCTCCAACCC  
 GACGGCTAACTTTGAAGGAAGTTTTGAGAATGGGAAACCTAAAATGGATCTTTTGAAAAACCATTTAGT  
 AAAAGAAGGTCGGGTGGAAGAGGAGGTGGCCTTAAAGATCATCAATGATGGGGCTGCCATCCTGAAGCAG  
 GAGAAGACCATGATAGAGGTGGAGGCTCCGATCACAGTGTGTGGTGTGTTGATGGACAATCTTTGACC  
 TGATGAAGTTGTTGAAGTTGGGGGATCACCTAGTAATACTCGCTACCTCTTCTGGGTGACTATGTGGA  
 CAGAGGCTATTTAGTATAGAGTGTGTGCTGTATCTATGGAGCTTAAAGATTAACCATCTAAAACATTG  
 TTTCTGCTTCGAGGAAATCATGAATGCAGGCATTTACAGAGTACTTACCTTCAAACAGGAATGTCGGA  
 TCAAGTATTCAGAGATGGTGTACGATGCGTGCATGCACACTTTCGACTGTCTTCTTGTGCCCTCTT  
 AAACCAGCAGTTTCTCTGTGACATGGAGGAATGTCTCCTGAAATTAAGTTTGTAGAGGACATTAGGAAA  
 TTAGATAGGTTTTCTGAGCCTCCTGCTTTTGGGCCAGTGTGTGACCTGCTGTGGTCTGATCCCTTAGAGG  
 ACTACGGCAGCGAGAAGACCCTGGAGCACTATACCCACAACACTGTCCGAGGCTGCTCCTACTTCTTCAG  
 TTACCCTGCAGTTTGTGAATTTTACAGAACAACAGTTTATTATCAATAATCAGAGCCCATGAAGCCAG  
 GATGCGGGTACCGAATGTATAGGAAGAACAAGCAACTGGCTTCCGTCACCTATTACGATTTTCTCTG  
 CCCCTAATTACCTAGATGTCTATAACAATAAAGCTGCAGTGTGAAGTATGAAAACAATGTCATGAACAT  
 CAGGCAGTTCAACTGTTCCCCACACCCCTACTGGCTCCCAAATTCATGGATGTTTTACGTTGTTG  
 CCTTTTGTGGAGAGAAAGTGACAGAGATGCTGGTCAATATTCTCAACATATGCTCGGATGAAGAAATGA  
 ACGTAACCGATGAAGAAGGAGCTACTACAGGTCGAAAAGAAGTCAAGAATAAAATCCGAGCCATTGG  
 GAAAATGGCCCGGTCTTTACGGTCTTCGGGAAGAGAGTGAGAATGTGCTGACCCCTCAAGGGCCTCACT  
 CCCACAGGCACACTCCCCTGGGGTCTCTCTGGAGGAAAGCAGACCATTGAGACTGCCAAACAAGAAG  
 CCGCAGAGGAGCGGGAAGCCATCAGAGTTTTACAATTGCACACAGGATCCGAAGTTTTGAAGAAGCCG  
 AGGTCTAGACCGAATTAATGAGAGAATGCCACCCCGAAAAGAGGCTTCATATCATCATGATGCAGGGAGG  
 ATGCACTCACACTCGCATCCGCCACACCACAGGCGTCAAGAAGGACCGACCATGGAAAGAAAGCCCTGT  
 AA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-Mlul

**ACCN:** NM\_008915

**Insert Size:** 1542 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).

<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="#">NM_008915.3</a> , <a href="#">NP_032941.1</a>
<b>RefSeq Size:</b>	2057 bp
<b>RefSeq ORF:</b>	1542 bp
<b>Locus ID:</b>	19057
<b>UniProt ID:</b>	<a href="#">P48455</a>
<b>Cytogenetics:</b>	14 D2
<b>Gene Summary:</b>	<p>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]</p> <p>Transcript Variant: This variant (2) lacks an alternate in-frame exon in the coding region, compared to variant 1. This variant encodes isoform 2, which is shorter than isoform 1.</p>