

Product datasheet for **RN215113**

PPP3CA (NM_017041) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP3CA (NM_017041) Rat Untagged Clone
Tag:	Tag Free
Symbol:	PPP3CA
Synonyms:	Calna1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN215113 representing NM_017041
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCGAGCCCAAGCGATTGATCCCAAGTTGTCGACTACGGACAGGGTGGTGAAGCCGTTCCATTTCCGCAAGTCACCGGCTGACAGCAAAGGAAGTGTGGATAACGATGGGAAGCCTCGTGGATATCTTAAAGCACATCTCATGAAGGAAGGCAGGCTGGAAGAAAGTGTGCGGTTGAGAATAAACAGAGGGTCTTCGATTCTCCGACAGGAAAAAACTTCTGGATATTGATGCCCCAGTCACAGTTTGCGGGGACATCCATGGACAATTCTTTGACTTGATGAAGCTCTTTGAAGTGGGAGGATCTCCTGCCAACACTCGCTACCTCTTCTTAGGGACTATGTTGACAGAGGGTACTTCAGTATCGAATGTGTGCTGTATTTGTGGCCTTGAAAATCTTTACCCAAAACACTGTTTTACTTCGTGGAAACCATGAATGTAGGCACCTAACAGAGTATTTACGTTTAAACAAGAATGTAATAAAGTATTCCAGAACGCGTTTATGACGCTGTATGGATGCCTTCGACTGCCTCCCGTGGCTGCGCTGATGAACCAACAATTCCTGTGTGTACACGGTGGTTGTCTCCAGAGATTAACACTAGATGACATCAGAAAATTAGACCGATTCAAAGAACCCTGCTTATGGCCTATGTGTGACATCTGTGGTCAGACCCCTGGAGGACTTTGGAAATGAGAAGACTCAGGAACATTTCACTCACAACACAGTCAGGGGTTGTTGTACTTCTACAGTTACCCGGCTGTATGTGACTTCTGCAGCACAATAATTTGTTGTCCATACTCCGAGCCACGAAGCCCAGGACGCAGGGTACCGCATGTACAGGAAAAGCCAAACACTGGCTTCCGCTCTAATTAATCGATCTTCTCGGCACCAAACTTACTTAGATGTGTACAATAATAAAGCTGCAGTGTGAAGTACGAGAACAAATCGTGATGAACATCAGGCAGTTCAACTGCTCCCCCATCCGACTGGCTCCCAAATTTTATGGATGTTTTACCTGGTGCCTGCCATTTGTTGGGGAGAAAGTACTGAGATGCTGGTAAACGTCCTGAACATCTGCTCAGATGATGAACCTGGGGTCAAGAAGAAGTGGATTTGACGGAGCCACGGCTGCAGCCCGGAAGGAGGTCATCAGAACAAAGATCCGAGCAATAGGCAAAATGGCCAGAGTATTCTCAGTTCTCAGAGAAGAGAGTGAGAGCGTTCTAACTCTGAAGGCCTGACCCGACTGGCATGCTCCCCAGCGGAGTGCTCTCTGGCGGAAACAAACTTGCAAAGCGCTACTGTTGAGGCCATTGAGGCTGATGAAGCCATCAAAGGATTCTCACCACAACATAAGATTACCAGCTTCGAGGAGGCCAAGGGCTTAGACCGAATTAACGAGAGGATGCCGCCTCGCAGAGACGCCATGCCTCCGACGCCAACCTTAACCTCATCAACAAGGCTCTCGCCTCAGAGACTAACGGCACAGACAGCAACGCAGTAATAGCAGCAATATTCA**GTGA**

AG**CGGACCG**ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII

ACCN: NM_017041

Insert Size: 1566 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_017041.1</u> , <u>NP_058737.1</u>
RefSeq Size:	2337 bp
RefSeq ORF:	1566 bp
Locus ID:	24674
UniProt ID:	<u>P63329</u>
Cytogenetics:	2q43
Gene Summary:	catalytic subunit of Calcineurin (CaN), ubiquitously expressed Ca ²⁺ /CaM-dependent protein phosphatase; mediates activities of transcription factors and ion channels; involved in regulation of T-cell activation [RGD, Feb 2006]