

Product datasheet for **RR212543**

PPP1cb (NM_013065) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1cb (NM_013065) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ppp1cb
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR212543 representing NM_013065
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**C

ATGGCGGACGGGGAGCTGAACGTGGACAGCCTCATCACCCGCTGCTGGAGGTACGAGGATGTCGTCGG
 GAAAAATTGTGCAGATGACTGAAGCAGAAGTCCGAGGACTGTGTATCAAGTCTCGTAAAATCTTTCTTAG
 CCAGCCTATTCTTTGGAATTGGAAGCGCCACTGAAGATTGTGGAGATATTCATGGACAGTATACAGAC
 TTAAGTACTGAGATTATTTGAATATGGAGTTTTCCACCAGAAGCCAATATCTTTCTTAGGAGATTATGTGG
 ACAGAGGAAAGCAGTCTTTGAAACCATCTGTTTGCTATTGGCTTACAAAATCAAATACCCAGAGAAGT
 CTTTCTTCTACGAGGAAACCATGAGTGTGCTAGCATCAACCGCATTTATGGATTCTATGATGAGTGCAAA
 CGAAGATTTAATATTAATTGTGGAAGACATTCAGTATTGTTTTAATTGTCTGCCTATAGCTGCTATTG
 TTGATGAGAAAATCTTCTGCTGTCATGGAGGACTGTCACCAGACCTACAGTCTATGGAACAGATTCGGAG
 AATTATGAGACCCACTGACGTACCTGATACAGGTTTGCTTTGTGATTTACTGTGGTCCGACCCAGATAAG
 GATGTACAAGGCTGGGGAGAAAATGATCGTGGTGTTCCTTTACTTTGGAGCTGATGTAGTCAGTAAAT
 TTCTGAATCGTCATGATTTGGACTTGATTGTCGAGCCCATCAGGTGGTGAAGATGGATATGAATTTTT
 TGCTAAACGACAATTGGTAACTTTATTTCTGCCCAAATTAAGTCTGCGGCGAGTTTGACAATGCTGGTGGT
 ATGATGAGTGTGGATGAACTTTGATGTGTTTCATTCCAGATATTGAAACCATCTGAAAAGAAAGCTAAGT
 ACCAGTATGGTGGCTGAATTCTGGACGTCTGTCACTCCGCCTCGAACAGCTAATCCACCGAAGAAAAG
 G

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR212543 representing NM_013065
 Red=Cloning site Green=Tags(s)

MADGELNVDSLITRLLLEVRGCRPGKIVQMTEAEVRGLCIKSREIFLSQPILLELEAPLKICGDIHGQYTD
 LLRLFEYGGFPPEANYLFLGDYVDRGKQSLLETICLLLAYKIKYPENFFLLRGNHECASINRIYGFYDECK
 RRFNIKLWKTFTDFCNCLPIAAIVDEKIFCCHGGLSPDLQSMEQIRRIMRPTDVPDGLLCDLLWSDPK
 DVQGWGENDRGVSFTFGADVVSFKFLNRHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAGG
 MMSVDETLMCSFQILKPSEKKAKYQYGLNSGRPVTPPRTANPPKKR

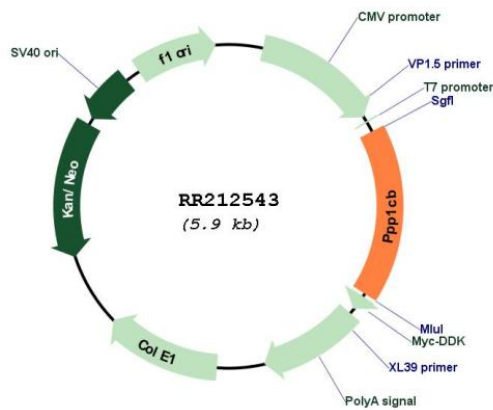
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_013065

| | |
|-------------------------------|---|
| ORF Size: | 981 bp |
| OTI Disclaimer: | The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info |
| OTI Annotation: | This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene. |
| 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: | NM_013065.2 , NP_037197.1 |
| RefSeq Size: | 2942 bp |
| RefSeq ORF: | 984 bp |
| Locus ID: | 25594 |
| UniProt ID: | P62142 |
| Cytogenetics: | 6q13 |
| MW: | 37.2 kDa |
| Gene Summary: | one of several neuronal isoforms of protein phosphatase 1 [RGD, Feb 2006] |