

## Product datasheet for **RR203973**

### **Ppp1cc (NM\_022498) Rat Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ppp1cc (NM\_022498) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Ppp1cc  
**Synonyms:** PP-1G; Ppp1cc1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR203973 representing NM\_022498  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**GCGATCGCC**

ATGGCGGATATCGATAAACTCAACATCGACAGTATCATCCAACGGCTGCTGGAAGTGAGAGGGTCCAAGC  
CAGGCAAGAATGTCCAGCTCCAGGAGAATGAAATCCGGGGACTGTGCTTGAAGTCTCGGGAGATCTTCTC  
CAGTCAGCCTATCCTTTTGAAGCTTGAAGCACCCTCAAGATATGTGGTGACATCCACGGGCAGTACTAT  
GATTTGCTCCGCTGTGTTGAATACGGTGGCTTTCTCCAGAAAGCAACTATTTGTTTCTCGGGACTATG  
TGGACAGGGGCAAACAGTCACTAGAGACGATCTGCCTCTTGCTGGCTACAAAATCAAGTATCCGGAGAA  
CTTTTTTCTTCTAGAGGGAACCATGAGTGTGCCAGCATCAATAGAATCTACGGATTTTATGATGAGTGT  
AAGAGAAGATACAACATTAAGCTGTGAAAACGTTACAGACTGTTTTAACTGCTTACCGATAGCAGCCA  
TCGTGGACGAGAAGATATTCTGCTGTATGGAGGTTTATCACCAGATCTTCAATCTATGGAGCAGATTTCG  
GCGAATTATGAGACCAACTGATGTACCAGATCAAGGCTCTCTTTGTGATCTTTTGGTCTGACCCCGAT  
AAAGATGTCTTAGGCTGGGTGAAAATGACAGAGGAGTGCCTTCACATTTGGTGCAGAAGTGGTTGCAA  
AATTTCTCCATAAGCATGATTTGGATCTTATATGTAGAGCCCATCAGGTGTTGAAGATGGATGAGT  
TTTTGCAAAGAGGAGTGTAGTCACTCTGTTTTCTGCACCACTACTGTGGCGAGTTTGACAATGCGGGC  
GCCATGATGAGTGTGGATGAGACCTCATGTGCTCCTTCCAGATTTTAAAGCCTGCAGAGAAAAAGAAGC  
CCAATGCCACGAGACCTGTACACCGCCACGGGTATGATCACAAAGCAAGCAAAGAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR203973 representing NM\_022498  
 Red=Cloning site Green=Tags(s)

MADIDKLNIDSIIQRLLLEVRSKPGKNVQLQENEIRGLCLKSREIFLSQPILLEEAPLKICGDIHGQYY  
 DLLRLFEYGGFPPESNYLFLDYVDRGKQSL ETICLLLAYKIKYPENFFLLRGNHECASINRIYGFYDEC  
 KRRYNIKLWKTFTDCFNCLPIAAIVDEKIFCCHGGLSPDLQSMEQIRIRMRPTDVPDQGLLCDLLWSDPD  
 KDVLGWGENDRGVSFTFGAEVVAKFLHKHDLDLICRAHQVVEDGYEFFAKRQLVTLFSAPNYCGEFDNAG  
 AMMSVDETLMCSFQILKPAEKKKPNATRPVTPPRGMITKQAKK

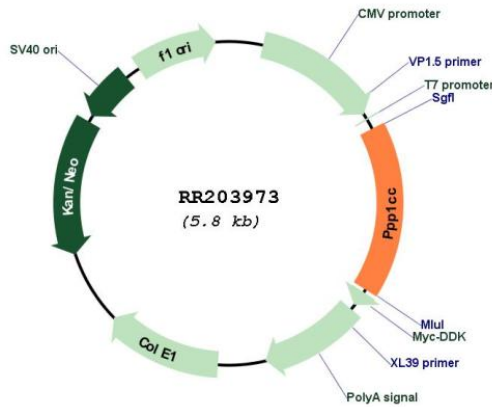
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_022498

**ORF Size:** 969 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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="#">NM_022498.2</a> , <a href="#">NP_071943.1</a>
<b>RefSeq Size:</b>	2375 bp
<b>RefSeq ORF:</b>	972 bp
<b>Locus ID:</b>	24669
<b>UniProt ID:</b>	<a href="#">P63088</a>
<b>Cytogenetics:</b>	12q16
<b>MW:</b>	37 kDa
<b>Gene Summary:</b>	one of several catalytic subunit isoforms of protein phosphatase 1 [RGD, Feb 2006]