

Product datasheet for RN216400

PPP1cc (NM_001270983) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1cc (NM_001270983) Rat Untagged Clone
Tag: Tag Free
Symbol: Ppp1cc
Synonyms: PP-1G; Ppp1cc1
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >RN216400 representing NM_001270983
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGATATCGATAAACTCAACATCGACAGTATCATCCAACGGCTGCTGGAAGTGAGAGGGTCCAAGC
 CAGGCAAGAATGTCCAGCTCCAGGAGAATGAAATCCGGGGACTGTGCTTGAAGTCTCGGGAGATCTTCTCT
 CAGTCAGCCTATCCTTTTGAAGTGAAGCACCCTCAAGATATGTGGTGACATCCACGGGCAGTACTAT
 GATTTGCTCCGTCTGTTTGAATACGGTGGCTTTCTCCAGAAAGCAACTATTTGTTTCTCGGGACTATG
 TGGACAGGGGCAAACAGTCACTAGAGACGATCTGCCTCTTGTCTGGCTACAAAATCAAGTATCCGGAGAA
 CTTTTTCTTCTTAGAGGGAACCATGAGTGTGCCAGCATCAATAGAATCTACGGATTTTATGATGAGTGT
 AAGAGAAGATACAACATTAAGCTGTGAAAACGTTACAGACTGTTTTAACTGCTTACCGATAGCAGCCA
 TCGTGGACGAGAAGATATTCTGCTGTGATGGAGTTTATCACCAGATCTTCAATCTATGGAGCAGATTTCG
 GCGAATTATGAGACCAACTGATGTACCAGATCAAGGTCTTCTTTGTGATCTTTTGTGGTCTGACCCCGAT
 AAAGATGTCTTAGGCTGGGTGAAAATGACAGAGGAGTGCCTTACATTTGGTGCAGAAGTGGTTGCCAA
 AATTTCTCCATAAGCATGATTTGGATCTTATATGTAGAGCCCATCAGGTGGTTGAAGATGGATGAGTT
 TTTTGC AAAGAGGAGT TAGTCACTCTGTTTTCTGCACCCAACTACTGTGGCGAGTTTGACAATGCGGGC
 GCCATGATGAGTGTGGATGAGACCTCATGTGCTCCTTCCAGATTTTAAAGCCTGCAGAGAAAAAGAAGC
 CCAATGCCACGAGACCTGTACACCGCCACGGTTGGATCAGGCCTGAACCCGTCCATTCAGAAAGCTTC
 AAATTATAGAAACAACACTGTCTATACGAGTGA

ACGGTACGGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001270983



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Insert Size:	1014 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001270983.1</u> , <u>NP_001257912.1</u>
RefSeq Size:	1493 bp
RefSeq ORF:	1014 bp
Locus ID:	24669
Cytogenetics:	12q16
Gene Summary:	one of several catalytic subunit isoforms of protein phosphatase 1 [RGD, Feb 2006] Transcript Variant: This variant (2) uses an alternate splice site in the 3' coding region compared to variant 1. The resulting protein (isoform 2) is longer and has a distinct C-terminus compared to isoform 1.