

## Product datasheet for **RC231658**

### PPP1R1C (NM\_001261425) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PPP1R1C (NM\_001261425) Human Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** PPP1R1C  
**Synonyms:** IPP5  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RC231658 ORF sequence  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGCCCAACAGTCCCAAAAAGATACAGTTTGCCGTGCCTGTATTCCAGAGTCAGATTGCACCTGAAG  
CAGCAGAGCAGATCAGGAAAAGAAGACCTACACCAGCATCACTTGTGATTCTCAATGAGCATAACCCCC  
AGAAATAGATGACAAGAGGGGGCCCAACACACAAGGGGAATTACAGAATGCATCCCCTAAGCAAAGGAAG  
CAGAGTGTGTACACACCACCCACCATAAAAGGGTTAAGCATCTGAAAGGCCAGAATGAATCAGCATTCC  
CTGAAGAAGAAGAAGGCACCAATGAAAGAGAGGAGCAGCGGGACCAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC231658 protein sequence  
Red=Cloning site Green=Tags(s)  
MEPNSPKKIQFAVPVFQSQIAPEAAEQIRKRRPTASLVILNEHNPPEIDDKRGPNTQGELQNASPKQRK  
QSYVTPPTIKGVKHLKGQNESAFPEEEEGTNEREEQRDH

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mk6439\\_c08.zip](https://cdn.origene.com/chromatograms/mk6439_c08.zip)

**Restriction Sites:** Sgfl-Mlul



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**Cloning Scheme:**


**ACCN:** NM\_001261425

**ORF Size:** 327 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:**
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\\_001261425.2](#)

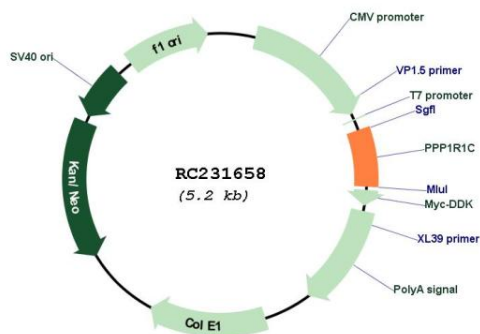
**RefSeq Size:** 3032 bp

**RefSeq ORF:** 330 bp

**Locus ID:** 151242

UniProt ID:	<a href="#">Q8WV17</a>
Cytogenetics:	2q31.3-q32.1
Protein Families:	Druggable Genome, Phosphatase
MW:	12.3 kDa
Gene Summary:	Protein phosphatase-1 (PP1) is a major serine/threonine phosphatase that regulates a variety of cellular functions. PP1 consists of a catalytic subunit (see PPP1CA; MIM 176875) and regulatory subunits that determine the subcellular localization of PP1 or regulate its function. PPP1R1C belongs to a group of PP1 inhibitory subunits that are themselves regulated by phosphorylation (Wang et al., 2008 [PubMed 18310074]).[supplied by OMIM, Feb 2010]

### Product images:



Circular map for RC231658