

Product datasheet for **RG231658**

PPP1R1C (NM_001261425) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: PPP1R1C (NM_001261425) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: PPP1R1C
Synonyms: IPP5
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG231658 representing NM_001261425
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGCCCAACAGTCCCAAAAAGATACAGTTTGCCGTGCCTGTATTCCAGAGTCAGATTGCACCTGAAG
CAGCAGAGCAGATCAGGAAAAGAAGACCTACACCAGCATCACTTGTGATTCTCAATGAGCATAACCCCC
AGAAATAGATGACAAGAGGGGGCCCAACACACAAGGGGAATTACAGAATGCATCCCCTAAGCAAAGGAAG
CAGAGTGTGTACACACCACCACATAAAAGGGTTAAGCATCTGAAAGGCCAGAATGAATCAGCATTCC
CTGAAGAAGAAGAAGGCACCAATGAAAGAGAGGAGCAGCGGGACCAT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231658 representing NM_001261425
Red=Cloning site Green=Tags(s)
MEPNSPKKIQFAVPVFQSQIAPEAAEQIRKRRPTASLVILNEHNPPEIDDKRGPNTQGELQNASPKQRK
QSVYTPPTIKGVKHLKGQNESAFPEEEEGTNEREEQRDH

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI

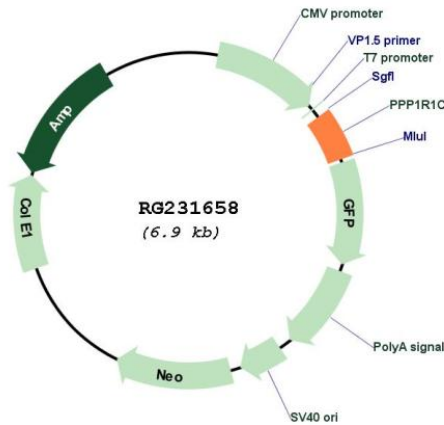


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Cloning Scheme:



Plasmid Map:



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:	<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_001261425.2
RefSeq Size:	3032 bp
RefSeq ORF:	330 bp
Locus ID:	151242
UniProt ID:	Q8WV17
Cytogenetics:	2q31.3-q32.1
Protein Families:	Druggable Genome, Phosphatase
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]