

Product datasheet for **RG201497**

PPP2R3C (NM_017917) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R3C (NM_017917) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2R3C
Synonyms:	C14orf10; G4-1; G5pr; GDRM; SPGF36
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG201497 representing NM_017917
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTGGAAGAAGTTCCTTCGTCGGCGCCTAGCGACGCCAACACCTGTCCAACAAAAAAGTG
 AACAGAATTAAGATGAAGAAATGGATTTATTTACAAAATATTACTCCGAATGGAAAGGAGGTAGAAA
 AACACAAATGAATTCTATAAGACCATTCCCGGTTTTATTATAGGCTGCCTGCTGAAGATGAAGTCTTA
 CTACAGAAATTAAGAGAGGAATCAAGAGCTGTCTTCTACAAAGAAAAGCAGAGAACTGTTAGATAATG
 AAGAATTACAGAACTTATGGTTTTGCTGGACAAACACCAGACACCACCTATGATTGGAGAGGAAGCGAT
 GATCAATTACGAAAACCTTTTGAAGTTGGTGAAGGCTGGAGCAAAGTGAAGCAATTTTTCACAGCA
 AAAGTCTTTGCTAACTCCTTCATACAGATTATGGAAGAATTCATCATGCAGTCTTTAATTATG
 TCATGAGAAAAGTTGGCTTCATCAACAAGAATAGGACTCAGTTTATATGATGTCGCTGGGCAGGGGTA
 CCTTCGGGAATCTGATTTAGAAAACATATTTGGAACCTATCCCTACGTTGCCACAATTAGATGGTCTG
 GAAAAATCTTTCTACTCCTTTATGTTGTACAGCAGTTAGGAAGTCTTCTCTTTTATAGATCCTTTAA
 GAACAGGAAAGATAAAAAATCAAGATATTTAGCATGCAGCTTCCTAGATGATTTATTGGAGCTAAGGGA
 TGAGGAACTGTCCAAGGAGAGTCAAGAAACAAATTGGTTTTCTGCTCCTTCTGCCCTAAGAGTTTATGGC
 CAGTACTTGAATCTTGATAAAGATCACAATGGCATGCTCAGTAAAGAAGAACTCTCACGCTATGGAACAG
 CTACCATGACCAATGTCTTCTAGACCGTGTCTTCAGGAGTGTCTCACTTATGATGGAGAAATGGACTA
 TAAGACCTACTTGGACTTTGCTTGCATTAGAAAACAGAAAGGAACCTGCAGCTCTACAATATATTTTC
 AAAGTCTTGATATTGAGAACAAAGGATACCTGAATGTCTTTCACTTAATTATTTCTTTAGGGCCATAC
 AGGAACATAATGAAAATCCATGGACAAGATCCTGTTTCATTCAAGATGTCAAGGATGAAATCTTTGACAT
 GGTAAAACCAAAGGATCCTTTGAAAATCTCTCTCAGGATTTAATCAACAGTAATCAAGGAGACACAGTA
 ACCACCATTCTAATCGATTTGAATGGCTTCTGGACTTACGAGAACAGAGAGGCTCTTGTGCAAAATGACA
 GTGAAAACCTCTGCAGACCTTGATGATACA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG201497 representing NM_017917
 Red=Cloning site Green=Tags(s)

MDWKEVLRRLATPNTCPNKKKSEQELKDEMDLFTKYSEWKGRKNTNEFYKTIPRFYYRLPAEDEVL
 LQKLREESRAVFLQRKSRELLDNEELQNLWFLLDKHQTPPMIGEEAMINYENFLKVGEKAGACKQFFTA
 KVFAKLLHTDSYGRISIMQFFNYVMRKVWLHQTRIGLSLYDVAGQGYLRESDLNILELIPTLPQLDGL
 EKSFYSFYVCTAVRKFFFLDPLRTGKIKIQDILACSFLLDLLELRDEELSKESQETNWFSAAPSALRVYG
 QYLNLDKDHNGMLSKEELSRYGTATMTNVFLDRVFQECLTYDGEMDYKTYLDFVLALENRKEPAALQYIF
 KLLDIENKGYLNVFSLNYFFRAIQELMKIHGQDPVFSQDVKDEIFDMVKPKDPLKISLQDLINSNQGDTV
 TTILIDLNGFWTYENREALVANDSENSADLDDT

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_017917

ORF Size: 1359 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_017917.3](#), [NP_060387.2](#)

RefSeq Size: 1843 bp

RefSeq ORF: 1362 bp

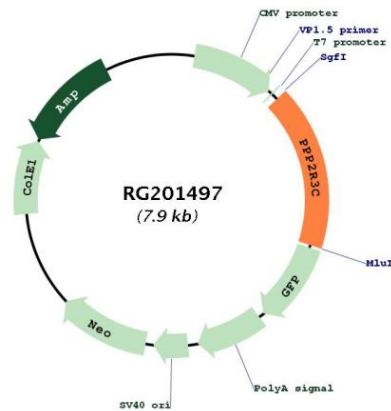
Locus ID: 55012

UniProt ID: [Q969Q6](#)

Cytogenetics: 14q13.2

Gene Summary: This gene encodes a regulatory subunit of the serine/threonine phosphatase, protein phosphatase 2. This protein is localized to both nuclear and cytoplasmic regions depending on cell cycle phase. Homozygous conditional knockout mice for this gene exhibit reduced numbers and impaired proliferation of immune system B cells. This protein may regulate the expression of the P-glycoprotein ATP-binding cassette transporter through its phosphatase activity. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

Product images:



Circular map for RG201497