

Product datasheet for **RG228436**

PPP2R5C (NM_001161726) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5C (NM_001161726) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2R5C
Synonyms:	B56G; B56gamma; PR61G
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG228436 representing NM_001161726
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCCGAATAAAAACAAGAAGGAGAAGAATCACCAAAGCAGGGAAGAGTGAAAAAGTTCAAAAGAAG
 GACAAGACACAGTAGAATCAGAGCAAATTTCCGTCAGGAAAAACAGCCTTGTGCTGTCCCGTCTACAGT
 ATCTGCTAAAATAAAAGTACCAGTCTCTCAGCCATAGTGAAGAAAGACAACCGCAAAATTCCTCAAGG
 TTTAGCGCAAGCAATAATAGAGAACTTCAAAAACCTACCATCCTTAAAAGATGTTCTCTGCTGATCAAG
 AGAAGCTTTTTATCCAGAAGTTACGTCACTGTTGCGTCTCTTTGACTTTGTTTCTGATCCACTAAGTGA
 CCTAAAGTGAAGGAAGTAAAACGAGCTGCTTAAAGTAAATGGTAGAATATATCACCCATAATCGGAAT
 GTGATCACAGAGCCTATTTACCCAGAAGTAGTCCATATGTTTGCAGTTAACATGTTTGAACATTACCAC
 CTTCTCCAATCCTACGGGAGCGGAATTTGACCCGGAGGAAGATGAACCAACGTTAGAAGCAGCCTGGCC
 TCATCTACAGCTTGTATGAATTTTTCTAAGATTTTTAGAGTCTCCAGATTTCCAACCTAATATAGCG
 AAGAAATATATTGATCAGAAGTTTGATTGCAGCTTTAGAGCTTTTGACAGTGAAGATCCTCGGGAGA
 GAGATTTTCTTAAACCACCTTACAGAACTATGGGAAATTCCTAGGCTTGAGAGCTTACATCAGAAA
 ACAGATAAATAATATATTTTATAGGTTTATTTATGAAACAGAGCATATAATGGCATAGCAGAGTTACTG
 GAAATATTGGGAAGTATAATTAATGGATTTGCCTTACCACTAAAAGAAGAGCACAAAGATTTTCTTATTGA
 AGGTGTTACTACCTTTGCACAAAGTAAATCTCTGAGTGTCTACCATCCCCAGCTGGCATACTGTGTAGT
 GCAGTTTTTAGAAAAGGACAGCACCCCTCACGGAACCAAGTGGTATGGCACTTCTCAAATACTGGCCAAAG
 ACTCACAGTCCAAAAGAAGTAAATGTTCTTAAACGAATTAAGAAGAGATTTTAGATGTCATTGAACCATCAG
 AATTTGTGAAGATCATGGAACCCCTCTTCCGGCAGTTGGCCAAATGTGTCTCCAGCCACACTTCCAGGT
 GGCAGAGCGAGCTCTATTACTGGAATAATGAATACATCATGAGTTTAAATCAGTGACAACGACGCGGAAG
 ATTCTGCCATCATGTTTCTTCTTGTACCGCAACTCAAAGACCCATTGGAACAAGACAATACATGGCT
 TGATATACAACGCCCTGAAGCTTTCATGGAGATGAACCAAAAAGCTATTTGATGACTGTACACAACAGTT
 CAAAGCAGAGAACTAAAAGAGAAGCTAAAAATGAAAGAACGGGAAGAAGCATGGGTTAAAATAGAAAAT
 CTAGCCAAAGCCAATCCCAGGCACAGAAAAGATCCGAAGAAGGACCGTCTCTTGCACGCCCAAGTCCG
 AGCTGCCTCAGGACCCCCACACCAAGAAAGCCTTGAAGCTCACTGCAGGGCCGATGAGCTGGCCTCCCA
 GGACGGCCGC

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>RG228436 representing NM_001161726
 Red=Cloning site Green=Tags(s)

MPNKNKKEKESPKAGKSGKSSKEGQDVESEQISVRKNSLVAVPSTVSAKIKVPVSQPIVKKDKRQNSSR
 FSASNNRELQKLPSLKDVPPADQEKLFIQKLRQCCVLFDFVSDPLSDLKWKEVKRAALSEMVEYITHNRN
 VITEPIYPEVVMFAVNMFRTLPPSSNPTGAEFDPPEDEPTLEAAWPHLQLVYEFFLRFLESDFQPNIA
 KKYIDQKFVQLLELFDSEDPREDFLKTTLHRIYKFLGLRAYIRKQINNIYRFIYETEHNGIAELL
 EILGSIINGFALPLKEEHKIFLLKVLPLHKVKSLSVYHPQLAYCVVQFLEKDSTLTPVVMALLKYWPK
 THSPKEVMFLNELEEILDVIEPSEFVKIMEPLFRQLAKCVSSPHFQVAERALYYWNNEYIMSLISDNAAK
 ILPIMFPSLYRNSKTHWNKTIHGLIYNALKLFMEMNQKLFDDCTQQFKAIEKLKEKLMKEREAEAWVKIEN
 LAKANPQAQKDPKDRPLARRKSELQPHTTKALEAHCRADELASQDGR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001161726

ORF Size: 1620 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_001161726.2](#)

RefSeq Size: 4449 bp

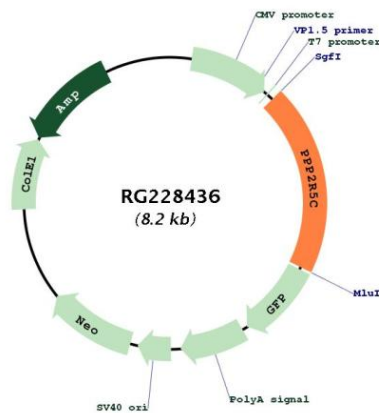
RefSeq ORF: 1623 bp

Locus ID: 5527

UniProt ID: [Q13362](#)

Cytogenetics:	14q32.31
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Oocyte meiosis, Wnt signaling pathway
Gene Summary:	The product of this gene belongs to the phosphatase 2A regulatory subunit B family. Protein phosphatase 2A is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a gamma isoform of the regulatory subunit B56 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG228436