

Product datasheet for **SC127990**

PPP2R5C (NM_178588) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5C (NM_178588) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R5C
Synonyms:	B56G; MGC23064; PR61G
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_178588, the custom clone sequence may differ by one or more nucleotides

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ATGTTGACATGTAATAAAGCGGGCAGCAGGATGGTGGTGGATGCGGCCAACTCCAATGGGCCTTTCCAGC
CCGTGGTCCTTCTCCATATTCGAGATGTTCTCCTGCTGATCAAGAGAAGCTTTTTATCCAGAAGTTACG
TCAGTGTTCGCTCCTCTTTGACTTTGTTTCTGATCCACTAAGTGACCTAAAGTGGGAAGGAAGTAAACGA
GCTGCTTTAAGTAAAATGGTAGAATATATCACCCATAATCGGAATGTGATCACAGAGCCTATTTACCCAG
AAGTAGTCCATATGTTTGCAGTTAACATGTTTTCGAACATTACCACCTTCTCCAATCCTACGGGAGCGGA
ATTTGACCGGAGGAAGATGAACCAACGTTAGAAGCAGCCTGGCCTCATCTACAGCTTGTATGAATTT
TTCTTAAGATTTTAGAGTCTCCAGATTTCCAACCTAATATAGCGAAGAAATATATTGATCAGAAGTTG
TATTGCAGCTTTTAGAGCTCTTTGACAGTGAAGATCCTCGGGAGAGAGATTTTCTTAAAACCACCCTTCA
CAGAATCTATGGGAAATTCCTAGGCTTGAGAGCTTACATCAGAAAACAGATAAATAATATATTTTATAGG
TTTATTTATGAAACAGAGCATCATAATGGCATAGCAGAGTTACTGGAAATATTGGGAAGTATAATTAATG
GATTTGCCTTACCACTAAAAGAAGAGCACAAGATTTTCTATTGAAGGTGTTACTACCTTTGCACAAAGT
GAAATCTCTGAGTGTCTACCATCCCCAGCTGGCATACTGTGTAGTGACAGTTTTTGAAGGACAGCACC
CTCACGGAACCAAGTGGTATGGCACTTCTCAAACTGGCCAAAGACTCACAGTCCAAAAGAAGTAAATGT
TCTTAAACGAATTAGAAGAGATTTTAGATGTGATTGAACCATCAGAATTTGTGAAGATCATGGAACCCCT
CTTCCGGCAGTTGGCCAAATGTGTCTCCAGCCCACACTCCAGGTGGCAGAGCGAGCTCTATTACTGG
AATAATGAATACATCATGAGTTAATCAGTGACAACGCAGCGAAGATTCTGCCCATCATGTTTCTTCTCT
TGTACCGCAACTCAAAGACCCATTGGAACAAGTAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_178588 unedited TGAAGTCACTACTAGTNATACGACTCACTATAGGGCGGCCGGAATTCGCACGAGGCCTT AAGGAGCCCATTCGCTTTCCCGCTGAAGTCTAGATGTTGACATGTAATAAAGCGGGCAGC AGGATGGTGGTGGATGCGGCCAACTCCAATGGGCCTTTCCAGCCCGTGGTCTTCTCCAT ATTCGAGATGTTCTCTGCTGATCAAGAGAAGCTTTTATCCAGAAGTTACGTCAGTGT TGCGTCTCTTTGACTTTGTTTCTGATCCACTAAGTGACCTAAAGTGAAGGAAGTAAAA CGAGCTGCTTTAAGTGAATGGTAGAATATATCACCCATAATCGGAATGTGATCACAGAG CCTATTTACCCAGAAGTAGTCCATATGTTTGCAGTTAACATGTTTCGAACATTACCACCT TCCTCCAATCCTACGGGAGCGGAATTTGACCCGAGGAAGATGAACCAACGTTAGAAACA GCCTGGCCTCATCTACAGCTTGTATGAATTTTTCTAAAAATTTTAAAGTCTCCAGAT TTCCAACCTAATATAGCGAAGAAATAAATTGATCACAATTTGTATTGAAGCTTTTAGAG CTCTTTGACAGTGAATACTCCGGAGAGAGATTTTCTAAAACCACCCTTACAGAAATC TATGGGAAATTCCTAAGCTTGGAGCTTACATCAGAAAACAGAAAATAATATAATTTAT AAGGTTATTTATGAGACAAAACATCCTCATGGGCCTAGCAGAGCTACCTGGAAAATTGGG CAAAGTATAATTAACGGATTTGCCCTAACACTATAAAAAGAGCACACCGACTTTCTATTA GAAGGAGTCACTACCCTTGACAAAATGCAATGATTGACCGTGTGCACTCCAGACGATG GGAAACAGAG
Restriction Sites:	Please inquire
ACCN:	NM_178588
Insert Size:	1500 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).
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_178588.1 , NP_848703.1
RefSeq Size:	1460 bp
RefSeq ORF:	1155 bp
Locus ID:	5527
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]

Transcript Variant: This variant (4) differs in the 3' UTR and the 3' coding region, compared to variant 1. It encodes a shorter isoform (d), that has a shorter C-terminus compared to isoform a.