

Product datasheet for **SC101725**

PPP2R5C (NM_178586) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5C (NM_178586) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R5C
Synonyms:	B56G; B56gamma; PR61G
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF sequence for NM_178586 edited
 TTTTTTTTTTTTTTAACTAAAATGGAGGCTGGTTTCTTGCCTTAAGGAGCCCATTGCC
 TTTCCCGCTGAAGTCTAGATGTTGACATGTAATAAAGCGGGCAGCAGGATGGTGGTGGAT
 GCGGCCAACTCCAATGGGCCTTTCCAGCCCGTGGTCTTCTCCATATTCGAGATGTTCT
 CCTGCTGATCAAGAGAAGCTTTTATCCAGAAGTTACGTCAGTGTGCGTCTCTTTGAC
 TTTGTTTCTGATCCACTAAGTGACCTAAAGTGAAGGAAGTAAACGAGCTGCTTTAAGT
 GAAATGGTAGAATATATCACCCATAATCGGAATGTGATCACAGAGCCTATTTACCCAGAA
 GTAGTCCATATGTTTGCAGTTAACATGTTTCGAACATTACCACCTTCTCCAATCCTACG
 GGAGCGGAATTTGACCCGGAGGAAGATGAACCAACGTTAGAAGCAGCCTGGCCTCATCTA
 CAGCTTGTATGAATTTTTCTTAAAGATTTTTAGAGTCTCCAGATTTCCAACCTAATATA
 GCGAAGAAATATATTGATCAGAAGTTTGTATTGCAGCTTTTAGAGCTCTTTGACAGTGAA
 GATCCTCGGGAGAGAGATTTTCTTAAAACCACCCTTACAGAACTATGCGGAAATTCCTA
 GGCTTGAGAGCTTACATCAGAAAACAGATAAATAATATATTTTATAGGTTTATTTATGAA
 ACAGAGCATCATAATGGCATAGCAGAGTACTGGAATATTGGGAAGTATAATTAATGGA
 TTTGCCTTACCCTAAAAGAAGAGCACAAAGATTTTCTTATTGAAGGTGTTACTACCTTTG
 CACAAAGTGAAATCTCTGAGTGTCTACCATCCCGAGCTGGCATACTGTGTAGTGCAGTTT
 TTAGAAAAGGACAGCACCTCACGGAACCAAGTGGTGTGATGGCACTTCTCAATACTGGCCA
 AAGACTCACAGTCCAAAAGAAGTAAATGTTCTTAAACGAATTAGAAGAGATTTTAGATGTC
 ATTTGAACCATCAGAAATTTGTGAAGATCATGGAACCCCTTCCGGCAGTTGGCCAATGT
 GTCTCCAGCCCACTTCCAGGTGGCAGAGCGAGCTCTCTATTACTGGAATAATGAATAC
 ATCATGAGTTTAAATCAGTGACAACGCAGCGAAGATTCTGCCATCATGTTTCTTCTCTTG
 TACCGCAACTCAAAGACCCATTGGAACAAGACAATACATGGCTTGATATACAACGCCCTG
 AAGCTTTCATGGAGATGAACCAAAAGCTATTTGATGACTGTACACAACAGTTCAAAGCA
 GAGAAAACAAAAGAGAAGCTAAAAATGAAAGAACGGGAAGAAGCATGGGTTAAAAATAGAA
 AATCTAGCCAAAGCCAATCCCCAGGCACAGAAAGATCCGAAGAAGGACCGTCTCTTGCA
 CGCCGCAAGTCCGAGCTGCCTCAGGACCCCCACACCAAGAAAGCCTTGAAGCTCACTGC
 AGGGCCGATGAGCTGGCCTCCAGGACGGCCGCTAGCCTCCGGGGCGCCGCTCGGGGCC
 GGGCCCGCAGTCTTTTCCGGATTCTGTAGAAAATACATACTTCTGTGCCATACCAAT
 CAGTTACTACTCAAAGCTTTCTTGGACCCCGTCCGTAGGCAATAACGTGCGTCCGCCTCA
 GCGCGAGATTAGGAGTTCAAACAATGGTGACTTCCAGAGCCCGCTGGCAGAGCCCGGG
 TTGACGACGGTGTCTCGCAGTGTGCGCCGCCACCCAGCGTAGTCCAAGTCAGACTATTT
 CACAAGTCAGAGCGATAGGAAAGCACCTGCCCTTCATCTTCATGTTCTCCCAAAT

5' Read Nucleotide Sequence: >OriGene 5' read for NM_178586 unedited
 TTTGCCNAGTCAGATTTGTAAACTATCATATAGGCGGCGCGGAATTCGACCAGGAGTA
 ACTAGTCTCGAGTTTTTTTTTTTTTTTTTAACTAAAATGGAGGCTGGTTTCTTGCCTTA
 AGGAGCCATTGCCTTTCCCGCTGAAGTCTAGATGTTGACATGTAATAAAGCGGGCAGCA
 GGATGGTGGTGGATGCGGCCAACTCCAATGGGCCTTTCCAGCCCGTGGTCTTCTCCATA
 TTCGAGATGTTCTCCTGCTGATCAAGAGAAGCTTTTTATCCAGAAGTTACGTCAGTGTT
 GCGTCTCTTTGACTTTGTTTCTGATCCACTAAGTGACCTAAAGTGAAGGAAGTAAAAC
 GAGCTGCTTAAAGTAAAATGGTGAATATATCACCCATAATCGGAATGTGATCACAGAGC
 CTATTTACCCAGAAGTAGTCCATATGTTTGCAGTTAACATGTTTTCGAACATTACCACCTT
 CCTCCAATCTACGGGAGCGGAATTTGACCCGGAGGAAGATGAACCAACGTTAGAAGCAG
 CCTGGCCTCATCTACAGCTTGTATGAATTTTTCTTAAAGATTTTTAGAGTCTCCAGATT
 TCCAACCTAATATAGCGAAGAAATATATTGATCAGAAGTTTGTATTGCAGCTTTTAGAGC
 TCTTTGACAGTGAAGATCCTCGGGAGAGAGATTTTCTTAAAACCACCCTTACAGAACT
 ATGGGAAATTCCTAGGCTTGAGAGCTTACATCTGAAAACAGATCAATAATATATTTTATA
 GGTTTATTTATGAAACAGAGCATCATAATGGCATAGCAGAGTTACTGGGAATATTGGGAA
 GTATAATT

3' Read Nucleotide Sequence:	>Forward primer walk for NM_178586 unedited NGGTTTATGGCTTCTGTGTAGTGCAATTTTTANAAAAGGCANACCCTCACGAACCAAGTGTGATGGCACTTCTCAATACTGGCCAAAGACTCACAGTCCAAAAGAAGTAATGTTCTTAAACGAATTAGAAGAGATTTTAGATGTCATTGAACCATCAGAATTTGTGAAGATCATGGAACCCCTCTCCGGCAGTTGGCCAAATGTGTCTCCAGCCACACTTCCAGGTGGCAGAGCGAGCTCTCTATTACTGGAATAATGAATACATCATGAGTTTAATCAGTGACAACGCAGCGAAGATTCTGCCATCATGTTTCCTTCCCTGTACCGCAACTCAAAGACCCATTGGAACAAGACAAACATGGCTTGATATACAACGCCCTGAAGCTCTTCATGGAGATGAACAAAAGCTATTTGATGACTGTACACAACAGTTCAAAGCAGAGAAAATAAAAAGAGAAGCTAAAAATGAAAGAACGGGAAGAAGCATGGGTTAAAATAGAAAATCTAGCCAAAGCCAATCCCCAGGCACAGAAAAGATCCGAAGAAGGACCGTCTCTTGCACGCCGAAGTCCGAGCTGCCTCAGGACCCCCACAACAAGAAAGCCTTGAAGCTCACTGCAGGGCCGATGAGCTGGCCTCCCAGGACGGCCGCTAGCCTCCGGGGCCGCGTCCGGGGCCGGCCCGCCAGTCTTTTTCCGGATTCTGTAGAAAATACATACTTCTGTGCCATACCAATCAGTTACTCAAAAGCTTTCTTGGACCCCGTTCCGTANGCAATAACGTGCGTCCGCCTCAGCGCGAGATTAGGAGTTCAAANCATGGTGACTTCCAGAGCCCGCTGGCAGAGCCGGGTTGACGACNGTGTCTCGCAGTGTCCGCCACCCAGCGTAGTCCAGTCAGACTATTTCC
Restriction Sites:	Please inquire
ACCN:	NM_178586
Insert Size:	1550 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_178586.1 , NP_848701.1
RefSeq Size:	4050 bp
RefSeq ORF:	1458 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]

Transcript Variant: This variant (2) lacks an in-frame segment of the coding region, compared to variant 1. It encodes a shorter isoform (b), also known as gamma 2.