

## Product datasheet for **SC127988**

### PPP2R2C (NM\_181876) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R2C (NM_181876) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R2C
Synonyms:	B55-GAMMA; B55gamma; IMYPNO; IMYPNO1; PR52; PR55G
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181876, the custom clone sequence may differ by one or more nucleotides

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ATGGGGCTGTCTTTTTCTCAAACACTTGCCCATCCAGGAAGGCCAGCCCTGGGCATTGAAGACTCCAG
CTGACATCATCTCTACCGTTGAGTTCAACCACACGGGAGAGCTGCTGGCCACAGGTGACAAGGGCGGCCG
GGTCGTCTCTCCAGCGGGAACAGAGAGTAAAAATGCGCCCCACAGCCAGGGCGAATACGACGTGTAC
AGCACTTTCCAGAGCCACGAGCCGGAGTTTACTATCTCAAGAGCCTGGAGATAGAGGAGAAGATCAACA
AGATCAAGTGGCTCCCACAGCAGAACGCCGCCACTCACTCCTGTCCACCAACGATAAACTATCAAATT
ATGGAAGATTACCGAACGAGATAAAAGGCCGAAGGATAACAACCTGAAGGATGAAGAGGGGAACTTAAG
GACCTGTCCACGGTGACGTCAGTGCAGGTGCCAGTGTGAAGCCCATGGATCTGATGGTGGAGGTGAGCC
CTCGGAGGATCTTTGCCAATGGCCACACCTACCACATCAACTCCATCTCGGTCAACAGTGACTGCGAGAC
CTACATGTGCGGGGATGACCTGCGCATCAACCTCTGGCACCTGGCCATCACCGACAGGAGCTTCAACATC
GTGGACATCAAGCCGGCCAACATGGAGGACCTTACGGAGGTGATCACAGCATCTGAGTTCATCCGACC
ACTGCAACCTCTTCGTCTACAGCAGCAGCAAGGGCTCCCTGCGGCTCTGCGACATGCGGGGACGTGCCCT
GTGTGACAAGCATTCCAAGCTCTTTGAAGAGCCTGAGGACCCAGTAACCGCTCATTCTTCTCGAAATC
ATCTCTCCGTGTCGACGTGAAGTTAGCCACAGCGGCCCTACATGCTCACCCGGGACTACCTTACAG
TCAAGGTCTGGACCTGAACATGGAGGCAAGACCCATAGAGACCTACCAGGTCCATGACTACCTTCGGAG
CAAGCTCTGTTCCCTGTACGAGAAGCAGTGCATTTTCGACAAGTTTGAATGTGCTGGAACGGGAGCGGAC
AGCGTCATCATGACCGGGCCCTACAACAACCTTCTCCGCATGTTGATCGGAACACCAAGCGGGAGGTGA
CCCTGGAGGCTCGAGGAAAGCAGCAAGCCCCGGGCTGTGCTCAAGCCACGGCGGTGTGCGTGGGGGG
CAAGCGCCGGCGTGATGACATCAGTGTGGACAGCTTGGACTTCACCAAGAAGATCCTGCACACGGCTGG
CACCCGGTGAACATCATTGCCATCGCCGCCACCAACAACCTGTACATCTTCCAGGACAAGGTAACCT
CTGACATGCACTAG
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_181876 unedited ATTCGGCACGAGGGACGCCCGTCGCGGTGCGAGCCTGCGGAGCCGCCATGGCCCAGCAG CCGGCTGACCGCGCCCCCGCCGCGCCCGCCGCGCCCGCCGACCAGGGCTCCTGGTGC CTGTGCCAGCTCAATGGGGCCCGACCTCGAAGTTTCCGAAGCTGACATCATCTCTACC GTTGAGTTCAACCACACGGGAGAGCTGCTGGCCACAGGTGACAAGGGCGCCGGTCTGTC ATCTTCCAGCGGGAACCCAGAGAGTAAAAATGCGCCCCACAGCCAGGGCGAATACGACGTG TACAGCACTTCCAGAGCCACGAGCCGGAGTTTGACTATCTCAAGAGCCTGGAGATAGAG GAGAAGATCAACAAGATCAAGTGGCTCCACAGCAGAACGCCGCCACTACTCCTGTCC ACCAACGATAAACTATCAAATTATGGGAAGATTACCGAACGAGATAAAAAGGCCGAAG GATACAACCTGAAGGATGAAGAGGGGAACTTAAGGACCTGTCCACGGTGACGTCACTG GAGGTGCCAGTGTGAACCCATGGATCTGATGGGGGAAGTGAGCCCTCGGAGAACCTTG CCAATGGCCACCTACCCATTAACCTATTCCGGAACAGGGACTGGAAACTACTTTTGG GGGAGACCTGGCGTTAACCTTTGGCCCTGGCCTTACCAGAGGACTTTAAATTGGGACATT AACCGCAAAATGGGGCCTTCGGGGTACCAGAATT
<b>3' Read Nucleotide Sequence:</b>	>OriGene 3' read for NM_181876 unedited ACTGGGGCAGGGCTCACAGGGCATGCCACCCGGGCACTGTTTCAGGAAACAGCTATGACC GCGGCCGCAATCTAGAGTTTTTTTTTTTTTTTTTTTGGTGAACATTTGTTATTTTATTGGA AAAAGCTGGTATTAACATATTTATAGTTTTTATTCAACAATTGGGTAATTTGTGAGACACC ATATAAAAAAGAATGCACCTATGAGTTACAGAGGCCAACTGATCAGGGCTGACAACTT GACCACCATGTNTCCACACCACCAGGCCGCCACAAANNCGGAGAGAAGCTGCGGCCCA AAAGAGAAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNAANNA CCGCCATTTTTAAAAANTNANAAAAAATTTTCTACAAAAGAACAACGACCTAATTNCCG NGCAACCCGAACAAAAGAACAAAAACAGCATAACTAAACCAGCAACCTTCCAACGTAA AATACGCATACGTCTGAAATGGACAATCTTTCCATGAGAAGGCCCGACCCCAATAGAAA AGAAGCAAGAAAAAGCTCCACCGCAATAACACCACACACTCCCACTCTAAAACAAA AACCAATACAAAACCCATACACATAAAAAATGACCACAAATCCAATCACATACCAATA ACCCGCACAGCAGTTTATATGGAGCTATCGCCTACAAAGCAAAGACGCCACGTAACAT AAAACAAAAGATCCCAAAAGAGAAAACAAAAGTAAAACAAAAAGGACTAACACGCCAA AAAAGACACACCACAAGAAAGCAAAATGTAATACAACAGCAAAAAAACAACAAA
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_181876
<b>Insert Size:</b>	4100 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>

RefSeq:	<a href="#">NM_181876.1</a> , <a href="#">NP_870991.1</a>
RefSeq Size:	4087 bp
RefSeq ORF:	1344 bp
Locus ID:	5522
UniProt ID:	<a href="#">Q9Y2T4</a>
Cytogenetics:	4p16.1
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Tight junction
Gene Summary:	<p>The product of this gene belongs to the phosphatase 2 regulatory subunit B family. Protein phosphatase 2 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 B55 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) contains an alternate 5' terminal exon, and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (b) has a distinct N-terminus and is the same length as isoform a. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>