

Product datasheet for **SC329878**

PPP2R2C (NM_001206994) Human Untagged Clone

Product data:

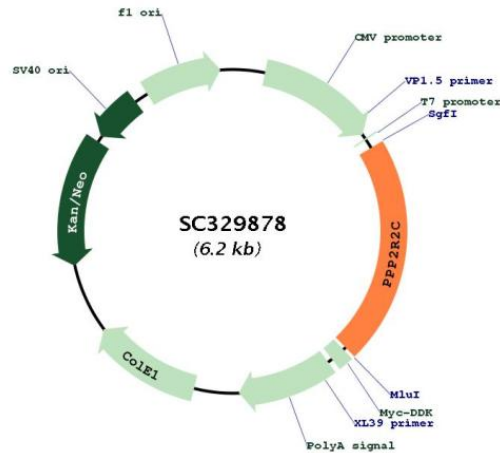
Product Type: Expression Plasmids
Product Name: PPP2R2C (NM_001206994) Human Untagged Clone
Tag: Tag Free
Symbol: PPP2R2C
Synonyms: B55-GAMMA; B55gamma; IMYPNO; IMYPNO1; PR52; PR55G
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC329878 representing NM_001206994.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCGTGAGGCGGACACGTTGAGGCCACCTCAGCTGATGGAAGTTCCGCTGACATCATCTCTACCGTT
GAGTTCAACCACACGGGAGAGCTGCTGGCCACAGGTGACAAGGGCGGCCGGTTCGTATCTTCCAGCGG
GAACCAGAGAGTAAAAATGCGCCCCACAGCCAGGGCGAATACGACGTGTACAGCACTTCCAGAGCCAC
GAGCCGGAGTTTGACTATCTCAAGAGCCTGGAGATAGAGGAGAAGATCAACAAGATCAAGTGGCTCCCA
CAGCAGAACGCCCCCACTCACTCCTGTCCACCAACGATAAACTATCAAATTATGGAAGATTACCGAA
CGAGATAAAAGGCCCGAAGGATACAACCTGAAGGATGAAGAGGGGAACTTAAGGACCTGTCCACGGTG
ACGTCACCTGCAGGTGCCAGTGCTGAAGCCCATGGATCTGATGGTGGAGGTGAGCCCTCGGAGGATCTTT
GCCAATGGCCACACCTACCACATCAACTCCATCTCCGTCAACAGTGACTGCGAGACCTACATGTCGGCG
GATGACCTGCGCATCAACCTCTGGCACCTGGCCATCACCAGCAGGAGCTTCAACATCGTGGGACATCAAG
CCGGCCAACATGGAGGACCTTACGGAGGTGATCACAGCATCTGAGTTCCATCCGCACCACTGCAACCTC
TTCGTCTACAGCAGCAGCAAGGGCTCCCTGCGGCTCTGCGACATGCGGGCAGTGCCTGTGTGACAAG
CATTCCAAGCTCTTTGAAGAGCCTGAGGACCCAGTAACCGCTCATTCTCTCGGAAATCATCTCCTCC
GTGTCCGACGTGAAGTTCAGCCACAGCGCCGCTACATGCTCACCCGGGACTACCTTACAGTCAAGGTC
TGGGACCTGAACATGGAGGCAAGACCCATAGAGACCTACCAGGTCCATGACTACCTTCGGAGCAAGCTC
TGTTCCCTGTACGAGAACGACTGCATTTTCGACAAGTTTGAATGTGCTGGAACGGGAGCGACAGCGTC
ATCATGACCGGGCCTACAACAACCTTCTCCGATGTTGATCGGAACACCAAGCGGGACGTGACCTG
GAGGCCTCGAGGGAAAGCAGCAAGCCCCGGGCTGTGCTCAAGCCACGGCGGTGTGCGTGGGGGGCAAG
CGCCGGCGTGATGACATCAGTGTGGACAGCTTGGACTTACCAAGAAGATCCTGCACACGGCCTGGCAC
CCGGCTGAGAACATCATTGCCATCGCCGCCACCAACAACCTGTACATCTTCCAGGACAAGGTAACCTC
GACATGCACTAG
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001206994

Insert Size: 1323 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:

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_001206994.1](#)

RefSeq Size: 4161 bp

RefSeq ORF: 1323 bp

Locus ID: 5522

UniProt ID: [Q9Y2T4](#)

Cytogenetics: 4p16.1

Protein Families: Druggable Genome, Phosphatase

Protein Pathways: Tight junction

MW: 50.6 kDa

Gene Summary: 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]

Transcript Variant: This variant (3) contains alternate 5' exon structure, and it thus differs in the 5' UTR and 5' coding region, compared to variant 1. The encoded isoform (c) has a distinct N-terminus and is shorter than isoform a. Both variants 3 and 4 encode isoform c.

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.