

## Product datasheet for **SC110982**

### PPP2R5B (NM\_006244) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5B (NM_006244) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R5B
Synonyms:	B56B; B56beta; PR61B
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene ORF sequence for NM_006244 edited
GCGGCCGCGAATTCGGCACGAGGCCAAGTTAGTCTGTCCAGTCTCACCCAGCACCTCCCA
GGCCCAGAGAGAACCCCCGGGGCTCTGAAAGCTTGCCCTGCCGCCTGACCCGCATGGAGA
CGAAGCTGCCCCCTGCAAGCACCCCTAGCCCTCCTCCCCGGGCTGTCCGCTGTGC
CCCCACCCGACAAGGTGGACGGCTTCTCCCGCGTTCCCTCCGCAGAGCCCGGCCCGCC
GCTCCCACAGCTCCTCTCAGTTCGCTATCAGAGCAACCAGCAAGAGCTCACACCGCTGC
CCCTGCTCAAAGATGTCCGGCTTCCGAGCTGCACGAGCTGCTGAGCCGGAAGCTGGCCC
AGTGTGGGGTGATGTTTGACTTCTTGGACTGTGTGGCCGACCTCAAGGGGAAGGAGGTGA
AGCGGGCAGCCCTCAACGAGCTGGTGGAGTGTGTGGGGAGCACCCGGGGTGTCTCATCG
AGCCCGTCTACCCAGACATCATCCGCATGATCTCAGTGAATATCTTCCGGACTCTGCCGC
CCAGTGAGAACCCTGAATTTGACCCTGAAGAGGATGAGCCCAATCTTGAGCCTTCGTGGC
CACACCTGCAGCTGGTATATGAGTTTTTCTGCGTTTCTTGAGAGCCCAGACTTCCAGC
CCTCCGTGGCCAAGAGATATGTGGATCAAAGTTTGTCTGATGCTCCTGGAGCTATTTG
ATAGTGAGGATCCCCGGGAGCGTGAGTACCTCAAGACCATCTGCACCGGTCTATGGCA
AGTTTCTGGGTCTCCGGGCTACATCCGCAAACAGTGCAACCACATCTTCTCCGGTTCA
TCTATGAATTCGAGCACTTCAATGGTGTGGCTGAGCTGCTGGAGATCCTAGGAAGCATCA
TCAATGGCTTTGCGCTGCCCTGAAGACGGAGCACAAGCAGTTTCTGGTTCGCGTCTGA
TCCCCCTGCACTCTGTCAAGTCGCTGTCTGTCTTCCATGCCAGCTGGCATACTGTGTGG
TGCAGTTCCTGGAGAAGGATGCCACTCTGACAGAGCACGTGATCCGGGGGCTGCTCAAA
ACTGGCCAAAACCTGCACCCAGAAGGAGGTGATGTTTCTGGGGGAGATGGAAGAGATTC
TTGATGTCATCGAGCCCTCCAGTTTGTGAAGATCCAGGAGCCCTTTTTAAGCAGGTGG
CTCGTGTGTTCCAGCCCCATTTCCAGTTGCAGAGCGGGCTCTGTATTTCTGGAACA
GGAGTATATCCTAAGCCTCATTGAGGACAAGTCCACACTGTGCTGCCTGTGTGTTT
GGACCCTTACCAAGTCTCCAAGGAGCACTGGAACCAAACCATCGTATCACTGATCTACA
ATGTGCTCAAGACCTTCAATGGAGATGAATGGGAAGCTGTTTGTGAGCTCACAGCCTCT
ACAAGCTGAAAAAGCAGCAGGAGCAGCAGAAGGCCAGGAGCGTCAGGATTATGGCAAG
GTCTGGAGGAGCTGCGGCTACGCCGGCTACAGGGGACCCAGGGGGCCAAGGAGGCCCCCC
TCCAGCGGCTTACACCCAGGTGGCCGCCAGTGGGGTCCAGAGCTAGACAGCACCTCAGA
AGGGGAAAAGCTAAACCCAGAGCTGTCACTCCCTCTATCCCTTCTCTGTCCAGGGGCC
AGAGAGAAAACACACCTACCCCTGGCCTTGCCAGAGTGGCTTCTGAGGACTCCCTGCCAG
CCCAGCTTTCAGTGGGGGAGACGAGGAGGCAATGGTGGTCTTGGCAACAGAATGCTC
AGCCCCTCGTGGCAGGACTTGACAAGGGCAAGCTTGACCAGGAAGCTGCCATCAGGGATC
TCCCCCTGCCCGCAAAGCTAGGCTCCAGCTGCAGGCGGGCTCCCACCCTCTGCTCCTGG
CCTTGGGCAAGGGCACTCAGCGCCTCGCCTGCCCTGCCTTGGCCAATGCGAGGTCTTC
CTTATCCCCACCATGGGGTCCATGGTCTATTTATTCTCGCCAGCTCACCTCTACACAG
ACACTGTCTGGGTGCACACTCCTCCCTCCCTCGCTGTGTACTTCTTGTCCCCTTTTT
ATTTATTGGGCAGGGGAGGGGGAGGGGCACAGGCAAGAAGAGATTACAGTGTCTGGGG
TAAGGGGGGTTACAGTAATCATGGTCTACTCCTCTTTCCGTGGCTGGGGGTAGACTTA
ATAAAGAGAGAAATCAAGAAAAAAAAAAAAAAAAAAAAAAC
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**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_006244 unedited  
 GCATTTGTATACGACNACTATAGGGCGGCCGCGATTTCGGCACGAGGCCAAGTTAGTCTGT  
 CCAAGTCTACCCAGCACCTCCCAGGCCAGAGAGAACCCCGGGGCTCTGAAAGCTTGCC  
 CTGCCGCTGACCGCCATGGAGACGAAGCTGCCCCCTGCAAGCACCCCACTAGCCCTC  
 CTCCCCGGGCTGTGCCTGTGCCCCACCCGACAAGGTGGACGGCTTCTCCGCGGTTCC  
 CCTCCGACAGCCCGGCCCGCCGCTCCACAGCTCCTCTCAGTCCGCTATCAGAGCAA  
 CCAGCAAGAGCTCACACCGCTGCCCTGCTCAAAGATGTGCCGGCTTCCGAGCTGCACGA  
 GCTGCTGAGCCGGAAGCTGGCCAGTGTGGGGTATGTTTGACTTCTGGACTGTGTGGC  
 CGACCTCAAGGGGAAGGAGGTGAAGCGGGCAGCCCTCAACGAGCTGGTGGAGTGTGTGGG  
 GAGCACCCGGGTGTCTCATCGAGCCCGTCTACCCAGACATCATCCGCATGATCTCAGT  
 GAATATCTTCGGACTCTGCCGCCAGTGAGAACCCTGAATTTGACCCTGAAGAGGATGA  
 GCCCAATCTTGAGCCTTCGTGGCCACACCTGCAGCTGGTATATGAGTTTTTCTGCGTTT  
 CTTGGAGAGCCAGACTCCAGCCCTCCGTGGCCAAGAGATATGTGGATCAAAGTTTGT  
 CCTGATGCTCCTGGAGCTATTTGATAGTGAGGATCCCCGGGAGCGTGAGTACCTCAAGAC  
 CATCCTGCACCGGTCTATGGCAAAGTCTGGGTCTNCGGGCCTACATNCGCAAACAGTG  
 CACCACATCTNNCTNCCGTTTCTATGAAATCGAGCCTTCAATGGGTGTGGCTGAGCTG  
 CTGGNAGATCCTANGAAGCATCATCAATGGCTNTGCGCTGCCCCCTGAGACGAGCACAGC  
 ATTNCTCGGGNTCCGGTC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_006244 unedited  
 TTTAGCTTTGGACCGCGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTTTCTT  
 GAATTTCTCTCTTTATTAAGTCTACCCAGCCACGGNAAGAGGAGTAGACCATGATTA  
 CTGTGAACCCCCCTTACCCAGGACACTGTGAATCTCTTCTTGCTGTGCCCTCCCCT  
 CCCCTGCCCAATAAATAAAAAGGGGACAAGGAAGTACACAGCGAGGGAAGGGAGGAGTG  
 TGCACCCAGGACAGTGTCTGTGTAGAGGGTGTGAGCTGGGCGAGAATAAATAGACCATGGAC  
 CCCATGGTGGGGATAAGGAAGGACCTCGCATTGGCCAAGGCAGGGGCAGGCGAGGCGCTG  
 AGTGCCCTTGCCCAAGGCCAGGAGCAGAGGGTGGGAGCCCGCCTGCAGCTGGAGCCTAGC  
 TTTGCGGGGCAGGGGAAGATCCCTGATGGCAGCTTCTGGTCAAGCTTGCCTTGTCAAG  
 TCCTGCCACGAGGGGCTGAGCATTCTGTTGCCAAGACCACCTTGCCCTCCTCGTCTCC  
 CCCCAGTAAAAGCTGGGCTGGGAGGGAGTCTCAGAAGCCACTTGGCAAGGCCAGGGG  
 TAGGTGTGTTTTCTCTTGGGCCCTGGACAGGAGAAGGGATAGAGGGACTGACAGCTCTG  
 GGTTAGCTTTTTCCCTTCTGAGGTGCTGTCTAGCTCTGACCCCACTGGCGGCCACCTG  
 NGGTGAAGCGCTGAAAAGGGGGCCCTTTTGCCCCCTTGGTCCCCTGTATCCCGCGGAA  
 CCCGAATCCTCAAACCTTTGCATAAATCCTGACCCTCTGGGCTTTTGTGGTCTGTT  
 GGTTTTCCACCTTGACAGGAAGCCTGTGAGCTCATAAAACGTTTCCATTATCTCCATA  
 AGGCCTCGACCCATCGTAAATACCCGAACCACGGGTTTGGCTCCCAGGCTC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_006244

**Insert Size:**

2400 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).

<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>
<b>RefSeq:</b>	<a href="#">NM_006244.2</a> , <a href="#">NP_006235.1</a>
<b>RefSeq Size:</b>	2710 bp
<b>RefSeq ORF:</b>	1494 bp
<b>Locus ID:</b>	5526
<b>UniProt ID:</b>	<a href="#">Q15173</a>
<b>Cytogenetics:</b>	11q13.1
<b>Domains:</b>	B56
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>Protein Pathways:</b>	Oocyte meiosis, Wnt signaling pathway
<b>Gene Summary:</b>	<p>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 beta isoform of the regulatory subunit B56 subfamily. [provided by RefSeq, Jul 2008]</p>