

Product datasheet for **SC116241**

PPP2R5D (NM_006245) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5D (NM_006245) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R5D
Synonyms:	B56D; B56delta; MRD35
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC116241 sequence for NM_006245 edited (data generated by NextGen Sequencing)

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ATGCCCTATAAACTGAAAAAGGAGAAGGAGCCCCCAAGGTTGCCAAATGCACAGCCAAG
CCTAGCAGCTCGGGCAAGGATGGTGGAGGCGAGAACAACCTGAGGAGGCCAGCCGAGCCC
CAGCCCCAGCCCCAGCCCCAAGCCAGTCTCAGCCACCGTCATCCAACAAGCGTCCCAGC
AATAGCACGCCGCCCCACGCAGCTCAGCAAAATCAAGTACTCAGGGGGGCCCCAGATT
GTCAAGAAGGAGCGACGGCAAAGCTCCTCCCGCTTCAACCTCAGCAAGAATCGGGAGCTG
CAGAAGCTTCTGCCCTGAAAGATTTCGCCAACCCAGGAGCGGGAGGAGCTGTTTATCCAG
AAGCTACGCCAGTGCTGTCTCTTTGACTTCGTGTCAGACCCACTCAGTGACCTCAAA
TTCAAGGAGGTGAAGCGGGCAGGACTCAACGAGATGGTGGAGTACATCACCCATAGCCGT
GATGTTGTCACTGAGGCCATTTACCCTGAGGCTGTACCATGTTTTCAGTGAACCTCTTC
CGGACGCTGCCACCTTCATCGAATCCCACAGGGGCTGAGTTTGACCCAGAGGAAGATGAG
CCCACCCTGGAAGCTGCTTGGCCACATCTCCAGCTCGTGTATGAGTTCTTCTTACGTTTC
CTTGAGTCTCCTGATTTCCAGCCAAACATAGCCAAGAAGTACATCGACCAGAAGTTTGTA
CTTGCTCTCCTAGACCTATTTGACAGTGAGGATCCTCGAGAGCGGGACTTCTCAAGACC
ATTTTGATCGCATCTATGGCAAGTTTTTGGGGCTCCGGGCTTATATCCGTAGGCAGATC
AACCACATCTTCTACAGTTTCATCTACGAGACGGAGCATCACAACGGGATTGCTGAGCTC
CTGGAGATCCTGGGCAGCATCATCAATGGCTTTGCCCTGCCCTTAAAGAAGAGCACAAG
ATGTTCTCATCCGTGCTCTACTTCCCCTTACAAGGTCAAGTCCCTGAGTGTCTACCAC
CCTCAGCTGGCATACTGTGTGGTACAATCCTGGAGAAGGAGAGCAGTCTGACTGAGCCG
GTAATTGTTGGGACTTCTCAAGTTTTGGCCCAAGACCCACAGCCCCAAGGAGGTGATGTTT
TTGAATGAGCTGGAGGAGATTCTGGACGTCATTGAACCTTCTGAGTTCAGCAAAGTGATG
GAACCCCTTTCCGCCAGCTGGCCAAGTGTCTCTAGCCCCATTTCCAGGTGGCAGAG
CGTGCTCTCTATTACTGGAACAATGAGTACATCATGAGCCTGATAAGTGACAATGCTGCC
CGAGTCTCCCCATCATGTTCCCTGCACTCTACAGGAACTCCAAGAGCCACTGGAACAAG
ACAATCCATGGACTGATCTATAATGCCCTGAAGTTGTTTATGAAATGAATCAGAAGCTG
TTTGATGACTGCACACAACAATACAAGGCAGAGAAGCAGAAGGGCCGGTTCGGAATGAAG
GAAAGGGAAGAGATGTGGCAAAAAATCGAGGAGCTGGCCCGGCTTAATCCCCAGTATCCC
ATGTTCCGAGCCCTCCACCACTGCCCCCTGTGTACTCGATGGAGACAGAGACCCCCACA
GCTGAGGACATCCAGCTTCTGAAGAGGACTGTGGAGACTGAGGCTGTTCCAGATGCTAAAA
GACATCAAGAAGGAGAAAGTGTGCTGCTGCGGAGGAAGTCGGAGCTGCCCCAGGACGTGTAC
ACCATCAAGGCACTGGAGGCGCACAAGCGGGCGGAAGAGTTCCTAACTGCCAGCCAGGAG
GCTCTCTGA
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Clone variation with respect to NM_006245.2

5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_006245 unedited ATTATGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGCTCGACCCGGG CGCAGCGCGCAGGCGGTGGCGAAGAGACGCCGAGCGGGCCGAGTGC GGCCGAGCAAAGCC GGAGCCGAGCGGGGCCGAGGAGACGGGCCGGTCCGGACGGGCCGAGATGCCCTATAA ACTGAAAAAGGAGAAGGAGCCCCCAAGTTGCCAAATGCACAGCCAAGCCTAGCAGCTC GGGCAAGGATGGTGGAGGCGAGAACAAGTCTGAGGAGGCCAGCCGACGCCCCAGCCCAGCC CCAGCCCCAAGCCAGTCTCAGCCACCGTCATCCAACAAGCGTCCCAGCAATAGCACGCC GCCCCCAGCAGCTCAGCAAAATCAAGTACTCAGGGGGGCCCCAGATTGTCAAGAAGGA GCGACGGCAAAGCTCCTCCCGCTTCAACCTCAGCAAGAATCGGGAGCTGCAGAAGCTTCC TGCCCTGAAAAGATTCCGCAACCCAGGAGCGGGAGGAGCTGTTTATCCAGAAGCTACGCCA GTGCTGTGTCTTTGACTTCTGTGTCAGACCCACTCAGTGACCTCAAATTCAAGGAGGT GAAGCGGGCAGGACTCAACGAGATGGTGGAGTACATCACCCATAGCCGTGATGTTGTAC TGAGGCCATTTACCCTGAGGCTGCACCATGTTTTCAAGTAACTCTCCGGACGCTGNC ACCTTCATCGAATCCCACAGGGGCTGAGTTNGACCCAGAGGAAGATGAGCCACCCTGGA AGCTGCTTTGCCACATCTCCAGCTCGTGTATGAGTTCTTCTACGTTTCCTTGAGTCTCC TGATTCCAGCCAACATAGCCAGGAGTACATCGACCAGAAGTTGACTTGCTCTCCTAGAC TATTTGAAGTNGAGATCCTCGAGAGCGGGACTTCTCAGAACATTTGCATTGCTNTTTNGC AAAGTTTTGGGGCTCCGGCTNATATCN</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_006245 unedited CGGCCGCAATCTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTTTTTCTCAGACACCCACTTT ATTCAGTTCTGTACATATGGGGACATCGGTCCAAGCCCAACCCACCTTAGCATGTATCAC TCTGTGGAGAATAAAGCACCCCTATGTACACAGCCAAAAGCCGCACTGCCTGCGCCCTGG AACCTGGGTCCGGCTTCTCAGCCCCTGGCCCCTCCAAGGTACCTATAAGGGACAAGAG AAGGCCTGCCAGCATAGCACAACAAGGAAATAAATAGGTGTTGGCAGGAGCCATGCTT GGGGCACCCGCTCCCTGCTTCTCTTTCTAGTTTTGGGAACCAACAGCAGAAAAGCA GTCAGCCCCAGGGTGGTCCCTCCATGTCTGTGACCCCAGGGCTGCTGCTACCAAAGAC AGGGCACGGNGTAGGGTGTATTCATCCCTCCCGGCCCACTGGTCCATCTGGGGCC TATATTCATCAGTTATTGTCCACAGCCTATACTTTTCTCTTTTGACCTCCCTTGTGAG CATGGGGTAAGAAGAAATAATACACCCCTATCTGCCAGCACAGGCTGGGACTGGGGGGG CCTATTTGTGCTCAGGGGGTTGGGCTTCNNTTCACTACTCTGGCACCCATGGGGCTTGA CATAACTTTGGTGAAGATATCTCCTGCTGTTCCCTACATGCCTNTGCAGGNGAAAAGAG AGAGGGAGATACCTGCCGTTCAATGAGGATGAAGGAANCAATANAGGACCGTATGTTTCC CTGGGTGCTCTTAAAGCACCCCTCAGGACCTGGGGGTGAGGAGCAAGTAGGGCACAGGC TNCCCAGTTGCCGGACACTAGCATTTTATGCTCACCTGACTAGCCAGGGAGCCTGACAC CCTTGGGAAAGAGGCACATTTGGTGGGGTCTGCTCAAGGCCCAACCCCCCTGGAAG CTAAAAGCCTGCCTCCCAACAGCCTTAGNACAAATTGAAGGCCGCGCAGGTCCAGCTGTG GCTTN</p>
Restriction Sites:	ECoRI-NOT
ACCN:	NM_006245
Insert Size:	3100 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_006245.2 , NP_006236.1
RefSeq Size:	2975 bp
RefSeq ORF:	1809 bp
Locus ID:	5528
UniProt ID:	Q14738
Cytogenetics:	6p21.1
Domains:	B56
Protein Families:	Phosphatase
Protein Pathways:	Oocyte meiosis, Wnt signaling pathway
Gene Summary:	<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 delta isoform of the regulatory subunit B56 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript, and encodes the longest isoform (1).</p>