

Product datasheet for **SC310326**

PPP2R5D (NM_180977) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R5D (NM_180977) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R5D
Synonyms:	B56D; B56delta; MRD35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >SC310326 representing NM_180977.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCCCTATAAACTGAAAAAGGAGAAGGAGCTGTTTATCCAGAAGCTACGCCAGTGTGTCTCTTT
GACTTCGTGTAGACCCACTCAGTGACCTCAAATTCAGGAGGTGAAGCGGGCAGGACTCAACGAGATG
GTGGAGTACATACCCATAGCCGTGATGTTGCTACTGAGGCCATTTACCCTGAGGCTGTCACCATGTTT
TCAGTGAACCTCTCCGGACGCTGCCACCTTCATCGAATCCACAGGGGCTGAGTTTGACCCAGAGGAA
GATGAGCCACCCTGGAAGCTGCTTGGCCACATCTCCAGCTCGTGTATGAGTTCTTCTTACGTTTCCCTT
GAGTCTCCTGATTTCCAGCCAAACATAGCCAAGAAGTACATCGACCAGAAGTTTGTACTTCTCTCTA
GACCTATTTGACAGTGAGGATCCTCGAGAGCGGGACTTCTCAAGACATTTTGCATCGCATCTATGGC
AAGTTTTTGGGGCTCCGGCTTATATCCGTAGGCAGATCAACCACATCTTCTACAGGTTTCTACGAG
ACGGAGCATCACACGGGATTGCTGAGCTCCTGGAGATCCTGGGAGCATCATCAATGGCTTTGCCCTG
CCCCTTAAAGAAGAGCACAAAGATGTTCTCATCCGTGCTCTACTCCCTTCAACAAGGTCAAGTCCCTG
AGTGTCTACCACCTCAGCTGGCATACTGTGTGTTACAATTCCTGGAGAAGGAGAGCAGTCTGACTGAG
CCGGTAATTGTGGGACTTCTCAAGTTTTGGCCCAAGACCCACAGCCCAAGGAGGTGATGTTCTTGAAT
GAGCTGGAGGAGATTCTGGACGTCATTGAACCTTCTGAGTTCAGCAAAGTATGGAACCCCTCTCCGC
CAGCTGGCCAAGTGTGTCTTAGCCCCATTTCCAGGTGGCAGAGCGTGTCTCTATTACTGGAACAAT
GAGTACATCATGAGCCTGATAAGTGACAATGCTGCCCGAGTCTCCCATCATGTTCCCTGCACTCTAC
AGGAACTCAAGAGCCACTGGAACAAGACAATCCATGGACTGATCTATAATGCCCTGAAGTTGTTTATG
GAAATGAATCAGAAGCTGTTTGTGACTGCACACAACAATACAAGGCAGAGAAGCAGAAGGGCCGGTTC
CGAATGAAGGAAAGGGAAGAGATGTGGCAAAAAATCGAGGAGCTGGCCCGGCTTAATCCCAGTATCCC
ATGTTCCGAGCCCTCCACCACTGCCCCCTGTGTACTCGATGGAGACAGAGACCCACAGCTGAGGAC
ATCCAGCTTCTGAAGAGGACTGTGGAGACTGAGGCTGTTGAGATGCTAAAAGACATCAAGAAGGAGAAA
GTGCTGTGCGGAGGAAGTCGGAGCTGCCCCAGGACGTGTACACCATCAAGGCACTGGAGGCGCACAAAG
CGGGCGGAAGAGTTCTAACTGCCAGCCAGGAGGCTCTCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: Sgfl-Mlul

Plasmid Map: □

ACCN: NM_180977

Insert Size: 1491 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_180977.2](#)

RefSeq Size: 2747 bp

RefSeq ORF: 1491 bp

Locus ID: 5528

UniProt ID: [Q14738](#)

Cytogenetics: 6p21.1

Protein Families: Phosphatase

Protein Pathways: Oocyte meiosis, Wnt signaling pathway

MW: 58.5 kDa

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 delta 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 (3) lacks an in-frame segment of the coding region, compared to variant 1. It encodes a shorter isoform (3), that is missing an internal segment compared to isoform 1.