

## Product datasheet for **SC330847**

### PPP2R5D (NM\_001270476) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** PPP2R5D (NM\_001270476) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** PPP2R5D  
**Synonyms:** B56D; B56delta; MRD35  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC330847 representing NM\_001270476.  
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

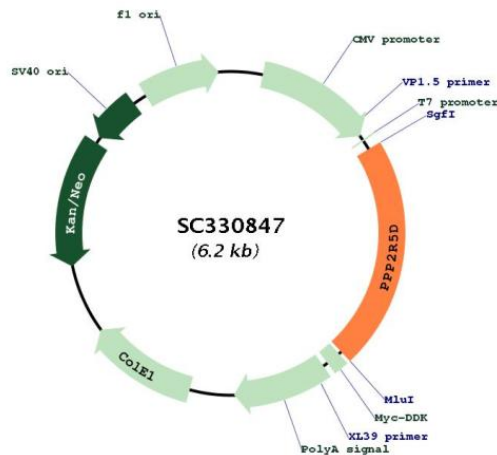
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GAAGATGAGCCCACCCTGGAAGCTGCTTGGCCACATCTCCAGCTCGTGTATGAGTTCTTCTACGTTTC
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CTAGACCTATTTGACAGTGAGGATCCTCGAGAGCGGGACTTCTCAAGACCATTTTGCATCGCATCTAT
GGCAAGTTTTTGGGGCTCCGGGCTTATATCCGTAGGCAGATCAACCACATCTTCTACAGGTTTCATCTAC
GAGACGGAGCATCACAACGGGATTGCTGAGCTCCTGGAGATCCTGGGCAGCATCATCAATGGCTTTGCC
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GAGCCGGTAATTGTGGGACTTCTCAAGTTTTGGCCCAAGACCCACAGCCCAAGGAGGTGATGTTCTTG
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AAGCGGGCGGAAGAGTTCCTAAGTCCAGCCAGGAGGCTCTCTGA
  
```

**Restriction Sites:** Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001270476

**Insert Size:** 1356 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\\_001270476.1](#)

**RefSeq Size:** 3082 bp

**RefSeq ORF:** 1356 bp

**Locus ID:** 5528

UniProt ID: [Q14738](#)

Cytogenetics: 6p21.1

Protein Families: Phosphatase

Protein Pathways: Oocyte meiosis, Wnt signaling pathway

MW: 53.1 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 (4) uses an alternate splice junction at the 5' end of an exon compared to variant 1, resulting in a transcript that is translated from a downstream AUG. The resulting isoform (4) is shorter at the N-terminus compared to isoform 1.