

## Product datasheet for **RN202007**

### **Ppp2r1b (NM\_001025418) Rat Untagged Clone**

#### **Product data:**

|                    |   |
|--------------------|---|
| Product Type:      | Expression Plasmids                       |
| Product Name:      | Ppp2r1b (NM_001025418) Rat Untagged Clone |
| Tag:               | Tag Free                                  |
| Symbol:            | Ppp2r1b                                   |
| Vector:            | pCMV6-Entry (PS100001)                    |
| E. coli Selection: | Kanamycin (25 ug/mL)                      |
| Cell Selection:    | Neomycin                                  |



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**Fully Sequenced ORF:** >RN202007 representing NM\_001025418  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGGGCGCAGCAGGGCCAGGGACCGTTCCGGGGCAGCGGGGAGATGGAGACGATCACTCTACC  
CGATCGCGGTTTTAATCGACGAGCTCCGCAATGAGGACGTGCAGCTCCGCTCAACAGTATAAGAAGTT  
ATCAACTATTGCTCTAGCACTCGGGGTAGAAAGGACTCGAACTGAACTGCTGCCTTTCCTTACAGATACA  
ATTTATGATGAAGATGAGGTGCTGTTAGCTCTTGCCGAGCAGCTGGGGAATTTCACTGGTTTGGTGGGAG  
GCCCTGACTTTGCCACTGTCTGCTGCCTCCTTTGGAAAGTTGGCTACGGTGGAGGAGACTGTCGTTCCG  
AGACAAGGCTGTGGAGTCCCTGAGGCAGATCTCCAGGAGCACACTCCCCTTGCCTGGAAGCTCATTTT  
GTACCCCTGGTGAAGCGCTTAGCAAGTGGGGATTGGTTCACATCTCGCACATCTGCATGCGGTTTGTTC  
GCGTTTGTACCCAGAGCTTCAAATGCTGTCAAGGCAGAGATCCGACAGCACTCCGTTCCCTGTGCTC  
GGATGATACCCAATGGTGCAGCTGCTGCTGCTTCAAATTTGGTGAATTTGCAAAAGTTTGGAAATTA  
GACAGTGTAAAAGTAAATTTGTTCCATTATTCACGAATCTGGCTTCAGATGAACAGGATTCTGTGCCCC  
TGCTAGCTGTAGAAGCGTGTGTCAGTATTGCCAGCTACTGTCTCAGGATGACCTGGAAGCCTTGGTAAT  
GCCTACACTTCGGCAAGCAGCAGAAGATAAATCTTGGCGGTTCCGCTACATGGTGGCTGACAAAATTTCA  
GAGCTCCAGAAAGCGGTGGGCCCTAAAATTTGCACTCAGTGACCTCATCCCCGCTTCCAGAGCCTCCTCA  
GAGACTGCGAGGCCGAAGTCCGAGCAGCCGCTGCCACAAAGTAAAGAGAGCTTTGTGAGAACCTGCCAC  
TGAAGGCAGAGAGACCGTGATTATGAACCAAATCCTGCCCTATAAAAGGAATTAGTGTCTGATACCAAC  
CAACATGTCAAGTCAGCCCTAGCTTCTGTAATTATGGGATTATCTACAGTTTTGGCAAAGAGAATACCA  
TTGAACATCTTCTGCCTCTATTTTTAGCTCAATTAAGGATGAGTCCAGAAAGTTGTTTTAAATATCAT  
CTCCAATTTGGATTGTGTGAATGAAGTGAATGGAATCCGTCAGCTCTCTCAGTCTCTCCTCCTGCCATT  
GTGGAAGTGGCTGAGGACGCCAAGTGGAGGTCGCTTGGCGATCATTGAGTACATGCCGCTGCTGGCTG  
GCCAGCTGGGTGTGGAGTTTTTGTGATAAAGCTGAATTTTGTGTATGGCCTGGCTTGTGGATCATGT  
CTATGCCATTCCGGGAAGCAGCAACCAACCTCATGAAGTTAGTCCAGAAGTTTGGTACCGAGTGGGCC  
CAGAACACCATCGTCCCCAAAGTGTGGTAATGGCAAATGATCCGAACTACTTGCACAGGATGACCACCT  
TATTCTGCATTAATGCCCTCTCTGAAGCCTGTGGTAAGGAAATAACCACTAAGCAAATGTTGCCTATCGT  
GTTGAAAATGGCTGGAGACCAGGTGGCAAATGTCCGCTTCAATGTGGCTAAGTCACTGCAGAAGATTGGA  
CCCATTCTAGACCAACGCCTTGCAGGGGAAGTGAAGCCGGTCTGCAGAAATTAGGTCAGGATGAAG  
ACATGGATGTCAAATATTTTGCACAGGAAGCTATAAGTGTCTTGCCTTGGCATAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_001025418

**Insert Size:** 1806 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\\_001025418.1](#), [NP\\_001020589.1](#)

**RefSeq Size:** 3207 bp

**RefSeq ORF:** 1806 bp

**Locus ID:** 315648

**UniProt ID:** [Q4QQT4](#)

**Cytogenetics:** 8q23

**Gene Summary:** The PR65 subunit of protein phosphatase 2A serves as a scaffolding molecule to coordinate the assembly of the catalytic subunit and a variable regulatory B subunit.[UniProtKB/Swiss-Prot Function]