

## Product datasheet for **RN212448**

### PPP2R2D (NM\_144746) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R2D (NM_144746) Rat Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R2D
Synonyms:	MGC93154
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >RN212448 representing NM\_144746  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCAGGAGCCGGAGGTGGCGGCTGCCGACGGCGGCAACGACTTCCAGTGGTCTTCTCGCAGGTGA  
 AGGGCGCTGTCGACGAGGACGTGGCGGAAGCCGACATCATCTCCACCGTTGAGTTAACTACTCTGGAGA  
 CCTTCTTGCAACAGGAGACAAAGGTGGCAGAGTTGTTATTTTCCAACGGGAACAAGAGAATAAAGGCCGC  
 GCTCACTCTAGGGGAGAGTACAATGTTTACAGTACCTTTCAGAGTCATGAGCCAGAGTTTGACTATTTGA  
 AAAGTCTAGAAAATTGAAGAAAAAATTAATAAAATCAGGTGGTTACCGAACAGAAATGCTGCTATTTTCT  
 ACTCTCTACAAATGATAAACTATTAATTTATGGAAAATAAGTGAACGAGATAAAAGAGCAGAAGGTTAT  
 AACTTGAAAGATGAAGATGGACGACTTCGAGACCCATTTAGAATTACGGCACTACGGGTTCCAATATTGA  
 AGCCCATGGACCTTATGGTAGAAGCAAGTCCACGACGAATTTTGC AAAATGCTCATACATATCACATAAA  
 TTCCATTTTCAGTAAATAGTGATCATGAAACATATCTCTCTGCAGATGATCTGAGAATTAACCTATGGCAT  
 TTAGAAAATCACAGATAGAAGCTTCAACATTTGGGACATCAAGCCTGCTAACATGGAGGAGCTGACAGAAG  
 TCATCACTGCCGCGGAGTTCCACCCACACCCAGTGAATGTATTCTGCTACAGCAGCAGCAAGGGGACCAT  
 CAGGCTGTGTGACATGCGTTCTTCTGCCCTCTGTGATAGGCATGCCAAGTTTTTTGAAGGCCAGAAGAT  
 CCCAGCAGTAGATCCTTTTTCTCAGAAAATATCTCATCTATATCTGATGTCAAGTTCAGCCACAGTGGTC  
 GATACATGATGACCAGAGACTATCTGTCGGTGAAGGTATGGGACCTCAACATGGAGGGCAGGCCTGTGCA  
 GACCCACAGGTACATGAGTACCTACGAAGCAAGCTCTGCTCCTTGTATGAGAATGACTGCATCTTTGAC  
 AAGTTCGAGTCTGCTGGAATGGTTACAGACAGTCCATTATGACGGGGTCTACAACAATCTTTAGAA  
 TGTTTTGATAGAAACACTCGGAGGGATGTTACACTGGAAGCCTCAAGAGAGAACAGCAAGCCCCGAGCCAG  
 CCTGAAGCCCCGAAAGTGTGTTTCAGGGGTAAGAGGAAGAAGGATGAGATTAGCGTGGACAGTTTGGAC  
 TTCAATAAGAAGATCCTTCACACAGCCTGGCACCCATGGAGAGCATTATTGCTGTAGCTGCCACCAATA  
 ACTTGTATATATTCAGGACAAAATTAAT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_144746

**Insert Size:** 1362 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\\_144746.2](#), [NP\\_653347.2](#)  
RefSeq Size: 1734 bp  
RefSeq ORF: 1362 bp  
Locus ID: 246255  
UniProt ID: [P56932](#)  
Cytogenetics: 1q41  
Gene Summary: cytosolic regulatory subunit that modifies protein phosphatase type 2A activity and subcellular localization [RGD, Feb 2006]