

## Product datasheet for **MG219372**

### **PPP2R1B (NM\_001034085) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PPP2R1B (NM_001034085) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2R1B
Synonyms:	2410091N08Rik; AI790395
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG219372 representing NM\_001034085  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCGGGCGCAGCAGGGCCAGGGTCCGGTCCGGGGCAGCGGGTGGAGATGGAGACGATTCCGCTCTACC  
 CGATCGCGGTTTTAATCGACGAGCTCCGCAATGAGGACGTGCAGCTCCGCTCAACAGTATTAAGAAGTT  
 ATCAACTATAGCTCTAGCACTCGGGGTAGAAAAGGACTCGAACGGAAGTCTGCTCTTCTTACAGATACT  
 ATTTATGATGAAGATGAGGTGCTGTTAGCTCTCGCCGAGCAGCTGGGAAATTTCACTGGTTTGGTGGCG  
 GTCCTGACTTTGCCACTGTCTGCTGCCTCTTTGGAAAGTTGGCTACGGTGGAGGAGACTGTCGTTCCG  
 AGACAAGGCTGTGGAGTCGCTGAGGCAGATCTCGCAGGAGCACACTCCTGTTGCCCTTGAAGCTCATTTT  
 GTGCCTCTGGTGAAGCGCCTGGCAAGCGGGGACTGGTTCACGTCGCGCACGTCTGCATGTGGCTTGTTC  
 GCGTTTGTATCCAGAGCTTCAAATGCTGTCAAGGCAGAGATTCGACAGCACTCCGTTCTCTGCTC  
 GGATGATACACCAATGGTGCAGCTGCTGCTGCTTCAAATTTGGTGAATTTGCAAAAGTTTGGAAATTA  
 GACAGTGTGAAAAGTAAATTTGCCATTGTTCCAGCAATTTGGCTTCAGATGAACAGGACTCTGTCCGGC  
 TGCTAGCTGTGGAAGCCTGCGTCAGCATTGCCAGTACTGTCTCAGGAGGACCTGGAAGCCTTGGTAAT  
 GCCTACACTTCGACAAGCAGCAGAAGATAAGTCCCTGGCGGGTTCGATATATGGTGGCTGACAAGTTTCA  
 GAGCTCCAGAAAGCGGTGGGCCCTAAGATTGCACTCAGCGACCTCATCCCCGCTTCCAGAGCCTCCTCC  
 GAGACTGCGAAGCTGAAGTCCGAGCAGCCGCTGCCACAAAGTAAAGAGAGCTTTGTGAGAACCTGCCCGC  
 TGAAGGTAGAGAGACTGTAATTATGAATCAAATCCTGCCCTATATAAAGGAATTAGTGTCTGATACCAAC  
 CAACATGTCAAGTCAGCGCTAGCTTCTGTAATTATGGGATTATCTACAGTTTTGGCAAAGAGAATACCA  
 TTGAACATCTTCTGCCTCTATTTTTAGCTCAGTTAAAGGACGAGTCCAGAAGTTCGTTAAATATCAT  
 CTCCAATTTGGATTGTGTGAATGAAGTGATTGGAATCCGTCAGCTCTCTCAGTCTCTCCTCCCGCCATA  
 GTGGAAGTGGCTGAAGATGCCAAGTGGAGGGTCCGCTGGCTATCATTGAGTACATGCCGCTGCTGGCTG  
 GCCAGCTGGGTGTGGAGTTCTTTGATGAAAACTCAATTCTTTGTGTATGGCCTGGCTTGTGGATCATGT  
 CTATGCCATTCCGGGAGGCAGCCACCAACAACCTCATGAAGTTAGTCCAGAAGTTCGGTACAGAGTGGGCC  
 CAGAATACCATTGTCCCTAAAGTGTGGTAATGGCAAATGACCCTAACTACTTACACAGAATGACCACGC  
 TCTTCTGCATTAATGCACTGTCTGAAGCCTGTGGTAAGGAAATAACCACTAAGCAAATGTTGCCATCGT  
 GTTGAAAATGGCAGGAGACCAGGTAGCAAATGTCCGCTTCAATGTGGCAAATCACTGCAGAAAATTGGA  
 CCGATTCTAGACACCAACGCCTTGCAAGGGGAAGTGAAGCCGGTCTGCAGAAAATGGGTCAGGACGAAG  
 ACATGGATGTCAAATATTTTGCACAGGAAGCTATAAGTGTGGTGGCACAAGGCTGAGGAAGCTAGATTT  
 TCTGTGAAGGACAGTGAAGAGCCAGCATCCCTGGGGTTGACAAGAATCTCTTCCCTGAGACCCCGAGGG  
 CCTGGAGAGGACACTGGGAAGTTTCTACCTTTGATGTCTAGGCACAGAGAGACGGAGCGGCTCCAGTGGC  
 TTCCGAGGAGGCAG

ACGCGTACGCGGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:** >MG219372 representing NM\_001034085  
 Red=Cloning site Green=Tags(s)

MAGAAGPGSGPGAAGGDGDDSLYPIAVLIDELRNEDVQLRLNSIKKLSIALALGVERTRTPELLPFLTDT  
 IYDEDEVLLALAEQLGNFTGLVGGPDFAHCLLPPEESLATVEETVVRDKAVESLRQISQEHTPVVALEAHF  
 VPLVKRLASGDWFTSRTSACGLFSVCYPRASNVAKAEIRQHFRLCSDDTPMVRRAAASKLGEFAKVLLEL  
 DSVKTEIVPLFTNLASDEQDSVRLLAVEACVSIQQLSQEDLEALVMPTLRQAAEDKSWRVRYMVADKFS  
 ELQKAVGPKIALSDLIPAFQSLLRDCEAEVRAAAAHKVRELCENLPAEGRETVMNQILPYIKELVSDTN  
 QHVKSALASVIMGLSTVLGKENTIEHLLPLFLAQLKDECEVRLNII SNLDCVNEVIGIRLSQSLLPAI  
 VELAEDAKWRVRLAII EYMPLLAGQLGVEFFDEKLNLSLCAWLV DHVYAI REAATNNLMKLVQKFGTEWA  
 QNTIVPKVLMANDPNYLHRMTTLFCINALSEACGKEITTKQMLPIVLK MAGDQVANVRNVAKSLQKIG  
 PILDTNALQGEVQVPLQKLGQDEDMDVKYFAQEAI SVVAQRLRKLDFPVKDSEEPSIPGV DKNLFLRPRG  
 PGEDTGKFLPLMSRHRETERLQWLPRRQ

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001034085

**ORF Size:** 1974 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001034085.2](#)

**RefSeq Size:** 3636 bp

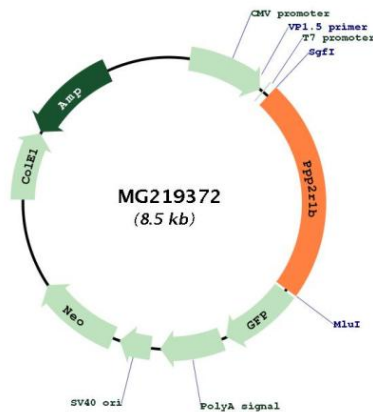
**RefSeq ORF:** 1977 bp

**Locus ID:** 73699

**Cytogenetics:** 9 A5.3

**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]

**Product images:**



Circular map for MG219372