

## Product datasheet for **MR219372**

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

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PPP2R1B (NM_001034085) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R1B
Synonyms:	2410091N08Rik; AI790395
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>MR219372 representing NM\_001034085  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGCGGGCGCAGCAGGGCCAGGGTCCGGTCCGGGGCAGCGGGTGGAGATGGAGACGATTCCGCTCTACC  
CGATCGCGGTTTTAATCGACGAGCTCCGCAATGAGGACGTGCAGTCCGCTCAACAGTATTAAGAAGTT  
ATCAACTATAGCTCTAGCACTCGGGGTAGAAAAGACTCGAACGGAAGTCTGCTCTTCCCTTACAGATACT  
ATTTATGATGAAGATGAGGTGCTGTTAGCTCTCGCCGAGCAGCTGGGAAATTTCACTGGTTTGGTGGCG  
GTCCTGACTTTGCCACTGTCTGCTGCCTCTTTGGAAAGTTGGCTACGGTGGAGGAGACTGTCGTTCCG  
AGACAAGGCTGTGGAGTCGCTGAGGCAGATCTCGCAGGAGCACACTCCTGTTGCCCTTGAAGCTCATTTT  
GTGCTCTGGTGAAGCGCTGGCAAGCGGGGACTGGTTCACGTCGCGCACGTCTGCATGTGGCTTGTTC  
GCGTTTGTATCCAGAGCTTCAAATGCTGTCAAGGCAGAGATTCGACAGCACTCCGTTCTCTGCTC  
GGATGATACCCAATGGTGCAGCTGCTGCTGCTTCAAATTTGGTGAATTTGCAAAAGTTTGGAAATTA  
GACAGTGTGAAAAGTAAATTTGCCATTGTTCCAGAAATTTGGCTTCAGATGAACAGGACTCTGTGCGGC  
TGCTAGCTGTGGAAGCCTGCGTCAGCATTGCCAGTACTGTCTCAGGAGGACCTGGAAGCCTTGGTAAT  
GCCTACACTTCGACAAGCAGCAGAAGATAAGTCCCTGGCGGTTTCGATATATGGTGGCTGACAAGTTTCA  
GAGCTCCAGAAAGCGGTGGGCCCTAAGATTGCACTCAGCGACCTCATCCCCGCTTCCAGAGCCTCCTCC  
GAGACTGCGAAGCTGAAGTCCGAGCAGCCGCTGCCACAAAGTAAAGAGAGCTTTGTGAGAACCTGCCCGC  
TGAAGGTAGAGAGACTGTAATTAAGTCAAAATCCTGCCCTATAAAAGGAATTAGTGTCTGATACCAAC  
CAACATGTCAAGTCAGCGCTAGCTTCTGTAATTAAGGATTATCTACAGTTTTGGCAAAGAGAATACCA  
TTGAACATCTTCTGCCTCTATTTTTAGCTCAGTTAAAGGACGAGTCCAGAAGTTCGTTAAATATCAT  
CTCCAATTTGGATTGTGTGAATGAAGTATTGGAATCCGTCAGCTCTCTCAGTCTCTCCTTCCGGCCATA  
GTGGAAGTGGCTGAAGATGCCAAGTGGAGGTCGCTGCTATCATTGAGTACATGCCGCTGCTGGCTG  
GCCAGCTGGGTGTGGAGTTCTTTGATGAAAACTCAATCTTTGTGTATGGCCTGGCTTGTGGATCATGT  
CTATGCCATTCCGGGAGGCAGCCACCAACAACCTCATGAAGTTAGTCCAGAAGTTCGGTACAGAGTGGGCC  
CAGAATACCATTGTCCCTAAAGTGTGGTAATGGCAAATGACCCTAACTACTTACACAGAATGACCACGC  
TCTTCTGCATTAATGCACTGTCTGAAGCCTGTGGTAAGGAAATAACCCTAAGCAAATGTTGCCATCGT  
GTTGAAAATGGCAGGAGACCAGGTAGCAAATGTCCGCTTCAATGTGGCAAATCACTGCAGAAAATTGGA  
CCGATTCTAGACACCAACGCCTTGCAGGGGAAGTGAAGCCGGTCTGCAGAAAATGGGTGAGGACGAAG  
ACATGGATGTCAAATATTTTGCACAGGAAGCTATAAGTGTGGTGGCACAAGGCTGAGGAAGCTAGATTT  
TCTGTGAAGGACAGTGAAGAGCCAGCATCCCTGGGGTTGACAAGAATCTTCTCCTGAGACCCCGAGGG  
CCTGGAGAGGACACTGGGAAGTTTCTACCTTTGATGTCTAGGCACAGAGAGACGGAGCGGCTCCAGTGGC  
TTCCGAGGAGGCAG

ACGCGTACGCGGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR219372 representing NM\_001034085  
 Red=Cloning site Green=Tags(s)

MAGAAGPGSGPGAAGGDGDDSLYPIAVLIDELRNEDVQLRLNSIKKLSIALALGVERTRTPELLPFLTDT  
 IYDEDEVLLALAEQLGNFTGLVGGPDFAHCLLPPEESLATVEETVVRDKAVESLRQISQEHTPVALEAHF  
 VPLVKRLASGDWFTSRTSACGLFSVCYPRASNAVKAIEIRQHFRSLCSDDTPMVRRAAASKLGEFAKVLLEL  
 DSVKTEIVPLFTNLASDEQDSVRLLAVEACVSIQQLSQEDLEALVMPTRLRQAAEDKSWRVRYMVADKFS  
 ELQKAVGPKIALSDLIPAFQSLLRDCEAEVRAAAAHKVRELCENLPAEGRETVIMNQILPYIKELVSDTN  
 QHVKSALASVIMGLSTVLGKENTIEHLLPLFLAQLKDECEVRLNII SNLDCVNEVIGIRLSQSLLPAI  
 VELAEDAKWRVRLAII EYMPLLAGQLGVEFFDEKLNLSLMAWLVDHVYAI REAATNNLMKLVQKFGTEWA  
 QNTIVPKVLMANDPNYLHRMTTLFCINALSEACGKEITTKQMLPIVLK MAGDQVANVRNVAKSLQKIG  
 PILD TNALQGEVKPVLQKLQDEDMVKYFAQE AISVVAQRLRKLDFPVKDSEEPSIPGV DKNLFLRPRG  
 PGEDTGKFLPLMSRHRETERLQWLP RRQ

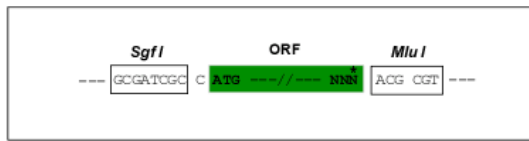
TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Cloning Scheme:

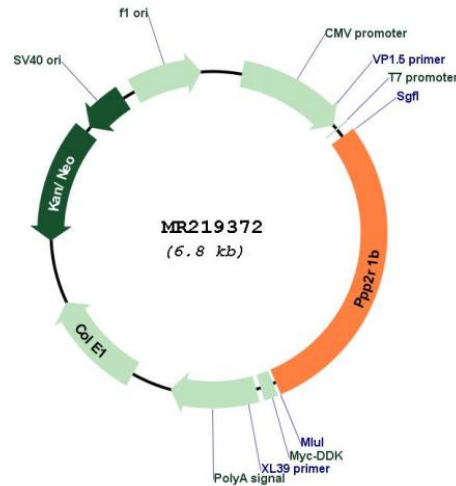
Sgfl-MluI

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

## Plasmid Map:



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

MW: 73.2 kDa

**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]