

Product datasheet for **MG209317**

PPP2R1B (NM_028614) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R1B (NM_028614) 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:

>MG209317 representing NM_028614
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGCGGGCGCAGCAGGGCCAGGGTCCGGTCCGGGGCAGCGGGTGGAGATGGAGACGATTCCGCTCTACC
 CGATCGCGGTTTTAATCGACGAGCTCCGCAATGAGGACGTGCAGCTCCGCTCAACAGTATTAAGAAGTT
 ATCAACTATAGCTCTAGCACTCGGGGTAGAAAAGACTCGAACGGAAGTCTGCCTTTCTTACAGATACT
 ATTTATGATGAAGATGAGGTGCTGTAGCTCTCGCCGAGCAGCTGGGAAATTTCACTGGTTTGGTGGCG
 GTCCTGACTTTGCCACTGTCTGCTGCCTCTTTGGAAAGTTGGCTACGGTGGAGGAGACTGTCGTTCCG
 AGACAAGGCTGTGGAGTCGCTGAGGCAGATCTCGCAGGAGCACACTCCTGTTGCCCTGAAGCTCATTTT
 GTGCCTCTGGTGAAGCGCCTGGCAAGCGGGGACTGGTTTCATGTCGCGCACGTCTGCATGTGGCTTGTTC
 GCGTTTGTCTATCCAGAGCTTCAAATGCTGTCAAGGCAGAGATTCGACAGCACTCCGTTCTCTGCTC
 GGATGATACCCAATGGAGCGACGTGCTGCTGCTCCAAATTTGGTGAATTTGCAAAAGTTTGGAAATTA
 GACAGTGTGAAAAGTAAATTTGCCATTGTTCCAGCAATTTGGCTTCAGATGAACAGGACTCTGTGCGGC
 TGCTAGCTGTGGAAGCCTGCGTCAGCATTGCCAGTACTGTCTCAGGAGGACCTGGAAGCCTTGGTAAT
 ACCTACACTTCGACAAGCAGCAGAAGATAAGTCCCTGGCGGGTTCGATATATGGTGGCTGACAAGTTTCA
 GAGCTCCAGAAAGCGGTGGGCCCTAAGATTGCACTCAGCGACCTCATCCCCGCTTCCAGAGCCTCCTCC
 GAGACTGCGAAGCTGAAGTCCGAGCAGCCGCTGCCACAAAGTAAAGAGAGCTTTGTGAGAACCTGCCCGC
 TGAAGGTAGAGAGACTGTAATTATGAATCAAATCCTGCCCTATATAAAGGAATTAGTGTCTGATACCAGC
 CAACATGTCAAGTCAGCGCTAGCTTCTGTAATTATGGGATTATCTACAGTTTTGGCAAAGAGAATACCA
 TTGAACATCTTCTGCCTCTATTTTTAGCTCAGTTAAAGGACGAGTCCAGAAAGTTCGTTAAATATCAT
 CTCCAATTTGGATTGTGTGAATGAAGTGAATGGAATCCGTCAGCTCTCTCAGTCTCTCCTCCCGGCATA
 GTGGAAGTGGCTGAAGATGCCAAGTGGAGGTCGCGCTGGCTATCATTGAGTACATGCCGCTGCTGGCTG
 GCCAGCTGGGTGTGGAGTTCTTTGATGAAAACTCAATCTTTGTGTATGGCCTGGCTTGTGGATCATGT
 CTATGCCATTCCGGGAGGCAGCCACCAACCTCATGAAGTTAGTCCAGAAGTTCGGTACAGAGTGGGCC
 CAGAATACCATTGTCCCTAAAGTGTGGTAATGGCAAATGACCCTAACTACTTACACAGAATGACCACGC
 TCTTCTGCATTAATGCACTGTCTGAAGCCTGTGGTAAGGAAATAACCCTAAGCAAATGTGCCATCGT
 GTTGAAAATGGCAGGAGACCAGGTAGCAAATGTCCGCTTCAATGTGCCAAATCACTGCAGAAAATCGGA
 CCGATTCTAGACCAACGCCTTGCAGGGGGAAGTGAAGCCGGTCTGCAGAAAATGGGTGACGACGAAG
 ACATGGATGTCAAATATTTGCACAGGAAGCTATAAGTGTCTTGCCCTGGCA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>MG209317 representing NM_028614
 Red=Cloning site Green=Tags(s)

MAGAAGPGSGPGAAGGDGDSL YPIAVLIDELRNEDVQLRLNSIKKLSIALALGVERTRTPELLPFLTDT
 IYDEDEVLLALAEQLGNFTGLVGGPDFAHCLLPPLSLATVEETVVRDKAVESLRQISQEHTPVALEAHF
 VPLVKRLASGDWFMRSACGLFSVCYPRASNAYKAEIRQHFRSLCSDDTPMERRAAASKLGEFAKVLLEL
 DSVKTEIVPLFTNLASDEQDSVRLLAIVEACVSIQQLSQEDLEALVIPTLRQAAEDKSWRVRYMVADKFS
 ELQKAVGPKIALSDLIPAFQSLLRDCEAEVRAAAAHKVRELCENLPAEGRETIVIMNQILPYIKELVSDTS
 QHVKSALASVIMGLSTVLGKENTIEHLLPLFLAQLKDECEVRLNIIISNLDVCVNEVIGIRLSQSLLPAI
 VELAEDAKWRVRLAIIIEYMPLLAGQLGVEFFDEKLNLSLMAWLVDHVYAIIEAATNNLMKLVQKFGTEWA
 QNTIVPKVLVMANDPNYLHRMTTLFCINALSEACGKEITTKQMLPIVLKMGDQVANVRFNVAKSLQKIG
 PILDTNALQGEVQKPVQLKLGQDEMDVKYFAQEAI SVLALA

TRTRPLE - GFP Tag - V

Restriction Sites:

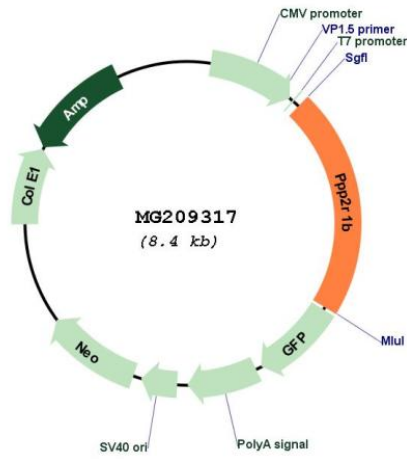
Sgfl-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



Plasmid Map:



ACCN: NM_028614

ORF Size: 1803 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:	<ol style="list-style-type: none">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_028614.2 , NP_082890.2
RefSeq Size:	3623 bp
RefSeq ORF:	1806 bp
Locus ID:	73699
UniProt ID:	Q7TNP2
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]