

Product datasheet for **MR230908**

PPP2R1B (NM_001286553) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R1B (NM_001286553) 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



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ORF Nucleotide
Sequence:

>MR230908 representing NM_001286553
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGCGGGCGCAGCAGGGCCAGGGTCCGGTCCGGGGCAGCGGGTGGAGATGGAGACGATTCCGCTCTACC
CGATCGCGGTTTTAATCGACGAGCTCCGCAATGAGGACGTGCAGCTCCGCTCAACAGTATTAAGAAGTT
ATCAACTATAGCTCTAGCACTCGGGGTAGAAAAGACTCGAACGGAAGTCTGCTCTTCTTACAGATACT
ATTTATGATGAAGATGAGGTGCTGTTAGCTCTCGCCGAGCAGCTGGGAAATTTCACTGGTTTGGTGGCG
GTCCTGACTTTGCCACTGTCTGCTGCCTCTTTGGAAAGTTGGCTACGGTGGAGGAGACTGTCGTTCCG
AGACAAGGCTGTGGAGTCGCTGAGGCAGATCTCGCAGGAGCACACTCCTGTTGCCCTTGAAGCTCATTTT
GTGCTCTGGTGAAGCGCTGGCAAGCGGGGACTGGTTCACGTCGCGCACGTCTGCATGTGGCTTGTTC
GCGTTTGTATCCAGAGCTTCAAATGCTGTCAAGGCAGAGATTCGACAGCACTCCGTTCTCTGCTC
GGATGATACACCAATGGTGCAGCTGCTGCTGCTTCAAATTTGGTGAATTTGCAAAAGTTTGGAAATTA
GACAGTGTGAAAAGTAAATTTGCCATTTGTTACGAATTTGGCTTCAGATGAACAGGACTCTGTGCGGC
TGCTAGCTGTGGAAGCCTGCGTCAGCATTGCCAGTACTGTCTCAGGAGGACCTGGAAGCCTTGGTAAAT
GCCTACACTTCGACAAGCAGCAGAAGATAAGTCCCTGGCGGTTTCGATATATGGTGGCTGACAAGTTTCA
GAGCTCCGAAAGCGGTGGGCCCTAAGATTGCACTCAGCGACCTCATCCCCGCTTCCAGAGCCTCCTCC
GAGACTGCGAAGCTGAAGTCCGAGCAGCCGCTGCCACAAAGTAAAGAGAGCTTTGTGAGAACCTGCCCGC
TGAAGGTAGAGAGACTGTAATTGAATCAAATCCTGCCCTATAAAAGGAATTAGTGTCTGATACCAAC
CAACATGTCAAGTCAGCGCTAGCTTCTGTAATTATGGGATTATCTACAGTTTTGGGCAAAGAGAATACCA
TTGAACATCTTCTGCCTCTATTTTTAGCTCAGTTAAAGGACGAGTCCAGAAGTTCGTTAAATATCAT
CTCCAATTTGGATTGTGTGAATGAAGTATTGGAATCCGTCAGCTCTCTCAGTCTCTCCTTCCGGCCATA
GTGGAAGTGGCTGAAGATGCCAAGTGGAGGTCGCGCTGGCTATCATTGAGTACATGCCGCTGCTGGCTG
GCCAGCTGGGTGTGGAGTTCTTTGATGAAAACTCAATCTTTGTGTATGGCCTGGCTTGTGGATCATGT
CTATGCCATTCCGGGAGGCAGCCACCAACCTCATGAAGTTAGTCCAGAAGTTCGGTACAGAGTGGGCC
CAGAATACCATTGTCCCTAAAGTGTGGTAATGGCAAATGACCCTAACTACTTACACAGAATGACCACGC
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CCGATTCTAGACACCAACGCCTTGCAGGGGAAGTGAAGCCGGTCTGCAGAAAATGGGTGAGGACGAAG
ACATGGATGTCAAATATTTGCACAGGAAGCTATAAGTGTGGTGGCACAAGGCTGAGGAAGCTAGATTT
TCTGTGAAGGACAGTGAAGAGCCAGCATCCCTGGGGTTGACAAGAATCTTCTCCTGAGACCCCGAGGG
CCTGGAGAGGACTGGGAAGGCACAGAGAGACGGAGCGGCTCCAGTGGCTTCCGAGGAGGCAGTAGAGG
CAGCCCAGCTTAGGGGCACAAACACAGCAAAGGACCAGCATGTCAGTTGCATATAAATACTAGAGACAC
ACTTGCCCAACTGGAAATTCAGAAGCAATGCATTTCCCCCAAAGCAGAGAG

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAAGTTTAA

Protein Sequence: >MR230908 representing NM_001286553
 Red=Cloning site Green=Tags(s)

MAGAAGPGSGPGAAGGDGDDSLYPIAVLIDELRNEDVQLRLNSIKKLSIALALGVERTRTPELLPFLTDT
 IYDEDEVLLALAEQLGNFTGLVGGPDFAHCLLPPEESLATVEETVVRDKAVESLRQISQEHTPVALEAHF
 VPLVKRLASGDWFTSRTSACGLFSVCYPRASNVAKAEIRQHFRSLCSDDTPMVRRAAASKLGEFAKVLLEL
 DSVKTEIVPLFTNLASDEQDSVRLLAVEACVSIQLLSQEDLEALVMPTLRQAAEDKSWRVRYMVADKFS
 ELQKAVGPKIALSDLIPAFQSLLRDCEAEVRAAAAHKVRELCENLPAEGRETVIMNQILPYIKELVSDTN
 QHVKSALASVIMGLSTVLGKENTIEHLLPLFLAQLKDECEVRLNII SNLDCVNEVIGIRLSQSLLPAI
 VELAEDAKWRVRLAII EYMP LLAGQLGVEFFDEKLSLMAWLV DHVYAI REAATNNLMKLVQKFGTEWA
 QNTIVPKVLMANDPNYLHRMTTLFCINALSEACGKEITTKQMLPIVLK MAGDQVANVRNVAKSLQKIG
 PILD TNALQGEVKPVLQKLGQDEDMVKYFAQE AISVVAQRLRKLDFPVKDSEEPSIPGV DKNLFLRPRG
 PGEDTGAQRDGAAPVASEEAVEAAQLRGTNTAKGPACQLHINTRDTLAQLEIAEAMHFPQSR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

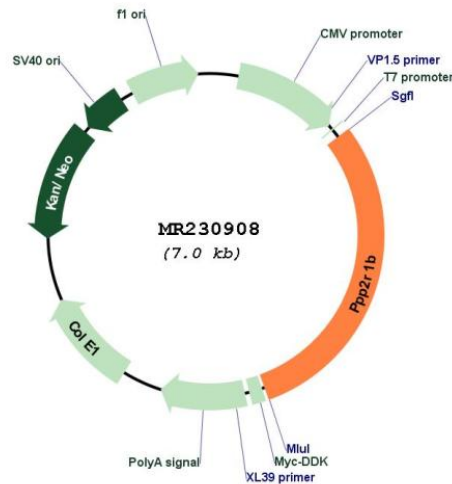
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001286553

ORF Size: 2082 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_001286553.1](#), [NP_001273482.1](#)

RefSeq Size: 3627 bp

RefSeq ORF: 2085 bp

Locus ID: 73699

Cytogenetics: 9 A5.3

MW: 76.5 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]