

Product datasheet for **MC228697**

PPP2R1B (NM_001286553) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R1B (NM_001286553) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP2R1B
Synonyms:	2410091N08Rik; AI790395
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228697 representing NM_001286553
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGGGCGCAGCAGGGCCAGGGTCCGGTCCGGGGCAGCGGGTGGAGATGGAGACGATTCCGCTCTACC
 CGATCGCGGTTTTAATCGACGAGCTCCGCAATGAGGACGTGCAGTCCGCTCAACAGTATTAAGAAGTT
 ATCAACTATAGCTCTAGCACTCGGGGTAGAAAAGACTCGAACGGAAGTCTGCTCTTCTTACAGATACT
 ATTTATGATGAAGATGAGGTGCTGTTAGCTCTCGCCGAGCAGCTGGGAAATTTCACTGGTTTGGTGGCG
 GTCCTGACTTTGCCACTGTCTGCTGCCTCTTTGGAAAGTTGGCTACGGTGGAGGAGACTGTCGTTCCG
 AGACAAGGCTGTGGAGTCGCTGAGGCAGATCTCGCAGGAGCACACTCCTGTTGCCCTGAAGCTCATTTT
 GTGCCTCTGGTGAAGCGCTGGCAAGCGGGGACTGGTTCACGTCGCGCACGTCTGCATGTGGCTTGTTC
 GCGTTTGCTATCCAGAGCTTCAAATGCTGTCAAGGCAGAGATTCGACAGCACTCCGTTCTCTGCTC
 GGATGATACCCAATGGTGCAGCTGCTGCTGCTTCAAATTTGGTGAATTTGCAAAAGTTTGGAAATTA
 GACAGTGTGAAAAGTAAATTTGCCATTGTTCCAGCAATTTGGCTTCAGATGAACAGGACTCTGTCCGGC
 TGCTAGCTGTGGAAGCCTGCGTCAGCATTGCCAGTACTGTCTCAGGAGGACCTGGAAGCCTTGGTAAT
 GCCTACACTTCGACAAGCAGCAGAAGATAAGTCCCTGGCGGGTTCGATATATGGTGGCTGACAAGTTTCA
 GAGCTCCAGAAAGCGGTGGGCCCTAAGATTGCACTCAGCGACCTCATCCCCGCTTCCAGAGCCTCCTCC
 GAGACTGCGAAGCTGAAGTCCGAGCAGCCGCTGCCACAAAGTAAAGAGAGCTTTGTGAGAACCTGCCCGC
 TGAAGGTAGAGAGACTGTAATTGAATCAAATCCTGCCCTATAAAAGGAATTAGTGTCTGATACCAAC
 CAACATGTCAAGTCAGCGCTAGCTTCTGTAATTATGGGATTATCTACAGTTTTGGCAAAGAGAATACCA
 TTGAACATCTTCTGCCTCTATTTTTAGCTCAGTTAAAGGACGAGTCCAGAAGTTCGTTAAATATCAT
 CTCCAATTTGGATTGTGGAATGAAGTATTGGAATCCGTCAGCTCTCTCAGTCTCTCCTTCCGGCCATA
 GTGGAAGTGGCTGAAGATGCCAAGTGGAGGTCGCGCTGGCTATCATTGAGTACATGCCGCTGCTGGCTG
 GCCAGCTGGGTGTGGAGTCTTTGATGAAAACTCAATCTTTGTGTATGGCCTGGCTTGTGGATCATGT
 CTATGCCATTCCGGGAGGCAGCCACCAACCTCATGAAGTTAGTCCAGAAGTTCGGTACAGAGTGGGCC
 CAGAATACCATTGTCCCTAAAGTGTGGTAATGGCAAATGACCCTAACTACTTACACAGAATGACCACGC
 TCTTCTGCATTAATGCACTGTCTGAAGCCTGTGGTAAGGAAATAACCCTAAGCAAATGTGCCATCGT
 GTTGAAAATGGCAGGAGACCAGGTAGCAAATGTCCGCTTCAATGTGGCAAATCACTGCAGAAAATTGGA
 CCGATTCTAGACCAACGCCTTGCAGGGGAAGTGAAGCCGGTCTGCAGAAAATGGGTGAGGACGAAG
 ACATGGATGTCAAATATTTTGCACAGGAAGCTATAAGTGTGGTGGCACAAGGCTGAGGAAGCTAGATTT
 TCTGTGAAGGACAGTGAAGAGCCAGCATCCCTGGGGTTGACAAGAATCTTCTCCTGAGACCCCGAGGG
 CCTGGAGAGGACTGGGAAGGCACAGAGAGACGGAGCGGCTCCAGTGGCTTCCGAGGAGGCAGTAGAGG
 CAGCCCAGCTTAGGGGCACAAACACAGCAAAGGGACCAGCATGTCAGTTGCATATAAATACTAGAGACAC
 ACTTGCCCAACTGGAAATTCAGAAGCAATGCATTTCCCCCAAAGCAGAGAGTAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001286553
- Insert Size:** 2085 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).
- OTI Annotation:** Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.

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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001286553.1</u> , <u>NP_001273482.1</u>
RefSeq Size:	3627 bp
RefSeq ORF:	2085 bp
Locus ID:	73699
Cytogenetics:	9 A5.3
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) encodes the longest isoform (c).</p>