

## Product datasheet for **MC220606**

### **Ppp1r15b (NM\_133819) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppp1r15b (NM_133819) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ppp1r15b
Synonyms:	1810033K10Rik; AI606441; C530022L24Rik; CReP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC220606 representing NM\_133819  
 Red=Cloning site Blue=ORF Orange=Stop codon

CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCCGGCGC  
 GCC

ATGGAGACAGGAACGCACAGGGCCCGGAAGCGGCCTGGCCCTCGGCTGGGCTCCTGGTCCGGCTGCCCT  
 TCCTTCGGCGATCGCACGCCTGCTCTTCGGAGTCCCGCCGCTTCTCTCGACAAAATCCCGGAACTC  
 CGCTCTGCCCGAGCGTCGGACCAGTACTGGACAAAATTGCTTTCTCAGCTCCTTCCCTGCTCCCTAGC  
 CTATCCAGAAGCTGCTGCTTTGGAGCCAGCTTTTCGGGGCCTGATTCTACCAGATGGCTAGATTTTG  
 CCGCAAGTTACAGCGCCCTGAGAGCTTTGAGAGGACGGGAGGAATCTGCCGCTCCACGCTGCAGAACTC  
 TCTGAGTCACTGCGGCTGGACTCTTCGGAAGACTTGGTTGTGAGTCTCTTGTGCTAGAGGAGGGA  
 CTCAGTGGCAGTGTCTCCTCAGACCTGGAGTAAACTCAAGGCCAGGAAAGAGCTTTAGACTCTG  
 CAGCGCCACTTTCTCCTGGAGCAGCAGCTGTGGGGAGTGGAGTTGCTGCCAGTAGCCTCAAGCTGG  
 TCTAGTCTCCACCGAGAAGTACTCTTCATCTCTGGGCTCTGAGCGTTCAGAGCTTAGGTAATTTTC  
 AAGGTAGTTTCTATCTCTGAACCTTCTACCTGGACTACCTTCCCGAGTTAGGGCTGCGCTGTGAGA  
 GCAGCGCTGGAGGTGGCCAGTTTGTGGGTTCCGAACACTAACCCAGAGAGCTGTATCTTTTGAAGA  
 TGGTTGTACCCCTCAGCCGTTGCGGGCAGAGATGTCCGCAACCGCTGGAGAAGGTGCCGCTCTCTCT  
 ACAGAAGGCTGCCGAAATCCACCACCTTCGATGAAACGGCTAGAATTCCTCCAGGCTAACAAAGGGC  
 AAGAGTTACCCACCCCTGACCAAGATAATGGCTATCATAGCCTGGAGGAGGAACATAACCTTCTCCGGAT  
 GGACCCACAACATTGCACAGATAACCCAGCACAGGCGGTGCCCTGTGCAGACAGGCCGGAGCCCACT  
 GAGAAAAACCAGAAATGGTGATTCAAGAAGTTTACAGAGCCCCAGGGAAGCAGTCTGTTTTGTGAAT  
 TACCCGTGGAAAAAGAAATGTGAAGAGGACCACACTAATGCAACTGACCTCTCAGATAGAGGAGAGAGCCT  
 TCTGTTTTCTACAGACCAGTTTGTAGCAACAACTGATAGATTATATTTTGGGAGGCGCCCCAGTGAC  
 TTGGAAGCCAGCTCTGATTCTGAAAGTGAGGATTGGGGCAGGAACCTGAGGACGATGGCTTTGATAGCG  
 ATGGCTCCCTGTGTAATCAGACGTGGAACAGGACTCGGAAGGCCTTACCTTTGGAACCTTTCCACAG  
 TGTAGATCCTTACAACCCCAAACTTTACAGCCACGATTAGAGCGGCTGCCAGAATTGCCCCAGAGAC  
 CCATCAGATTAGGGACATCCTGGTCTGGCAGCTGTGGTGTAGGGAGCTGTGAGGAGGACCCCTCCGG  
 AGACCCCGACCATAGTTCGGGGAGGAAGATGACTGGGAACCGAGTGCAGATGAAGCAGAGAATCTTAA  
 ATTGTGGAACCTTTCTGTCATTCTGAGGACCCCTACAACCTTTTAAATTTAAGGCTCCTTTTCAACCG  
 TCAGGGAAGAATTGGAAGGCCGTCAGGACTCAAAGGCCTTCTGAGGCTACAGTGGCCTTCTCTGGCC  
 ATCATACCTTACTTTCTGTAAGGCCAGCTGTTAGAGAGCCAAGAAGATAATTGTCCAGGCTGTGGGCT  
 GGGTGAGGCTCTTGTGAGAAAAGATACCCATATCAAGAGAAAAAAGTAACCTTCTGGAAGAAGTT  
 ACTGAGTATTATATAAGTGGTATGAGGATCGCAAAGGACCATGGGAAGAATTTGCAAGGGATGGATGCA  
 GGTTCAGAAACGAATTCAGAAACAGAAGTTGCCATTGGCTACTGCTTGGCCTTTGAGCACAGAGAAAA  
 AATGTTTAAAGACTGAGGATCGAGTCAAAGGACTTACTGTTGTACAGCAATGTTAAGAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** AscI-MluI
- ACCN:** NM\_133819
- Insert Size:** 2094 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).
- 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\\_133819.3](#), [NP\\_598580.1](#)

**RefSeq Size:** 5588 bp

**RefSeq ORF:** 2094 bp

**Locus ID:** 108954

**UniProt ID:** [Q8BFW3](#)

**Cytogenetics:** 1 E4

**Gene Summary:** Maintains low levels of EIF2S1 phosphorylation in unstressed cells by promoting its dephosphorylation by PP1.[UniProtKB/Swiss-Prot Function]