

Product datasheet for MC223021

PPP1R12B (NM_001081307) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R12B (NM_001081307) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R12B
Synonyms:	1810037O03Rik; 9530009M10Rik; AI132431; Mypt2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC223021 representing NM_001081307 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCGGAGCTGGAGCACCTGGGAGGGAAGCGAGCAGAGTCGGCGCGAGCGCGGGGGCTGAGCAGCTGC
GGCGCTGGCGAGGCTCGCTGACAGAGCAGGAGCCCGGGAGCGACAGGGCGGGGGCCAGCTGCAGAC
CAGACGCGGGAGCCCCAGGGTCCGCTTCGAAGACGGTGCAGTCTTTCTAGCTGCCTGCTCCAGCGGGGAC
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CCCTGCACCAGGCTGTATTGATGAAAAATTTGGACATGGTGAAGTTTCTGGTGGAGAACAGAGCCAATGT
AAACCAGCAGGACAACGAGGGCTGGACACCCCTGCATGCAGCAGCTTCTGTGGTTATCTCAACATAGCA
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AGCTATTTAGTATGCTAGTACCCCGGAGGCTCAGCAGCACAAGTGACATTGAAGAAAAGGAGAACAGAG
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TGAACCCACAGACAATCGCTCCTTCCACTTACACGTCAACTTACTTAAAAAGGACTCCTTACAAGTCC
CAGGCTGACTCAACAGCAGAGAAAACAGCAGACAGTGTCTCCTCCAGCACCCCACTGTGTGTGATCACCA
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GAGCACTGGAACGGAAAATGTCGGAAAATGGAAGAAGAGATGAAGAACCTTACCAGCTAAAACAGATTCA
AACCTTGAAGCAGATGAACGAACAACCTGACGGCTGAGAACAGGGCCCTGACCCGAGTGGTGGCCAGACTC
TCAAGTCCATCGAGTCTCCGACACCCAGGAGCTTAG
    
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ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_001081307
- Insert Size:** 2979 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_001081307.1](#), [NP_001074776.1](#)
- RefSeq Size:** 3137 bp
- RefSeq ORF:** 2979 bp

Locus ID: 329251

Cytogenetics: 1 E4

Gene Summary: Regulates myosin phosphatase activity. Augments Ca(2+) sensitivity of the contractile apparatus (By similarity).[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript and is protein coding.