

## Product datasheet for **MC207667**

### **PPP1R14a (NM\_026731) Mouse Untagged Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Ppp1r14a (NM\_026731) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Ppp1r14a  
**Synonyms:** 1110001M11Rik; Cpi17  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC207667 representing NM\_026731  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

**ATGGCTGCGCAGCGGCTGGGCAAGCGCGTGTGAGCAAGCTGCAGTCCCCGTCGCGGGCCCCGGGCCGG  
 GGGCAGCCCCAGCGGGCTGCAGAAGCGGCACGCGGAGTACCGTCAAGTACGACCGACGGGAGCTGCA  
 GCGACGGCTGGACGTGGAGAAGTGGATCGACGGATGCTTGGAGGAGCTGTACCGCGCAGGGAGTCAGAC  
 ATGCCCGACGAGGTCAACATCGATGAGCTATTGGAATTGGACAGTGAAGAGGAAAGATGCCGAAAATCC  
 AGGGACTTCTGGAGGCTTGTGCAAATCCCACAGAGGACTTCGTCCAGGAGCTACTGGCCAAGCTTCGGGG  
 CCTGCACAAAACAGCCGGCTTCCCGCAGCCCAGCCCTCAGATGACCCAGCCTGAGCCCCGCCAGGAC  
 CGGGCCCCACACTGCCCCACCT**TGA****

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** Sgfl-MluI

**ACCN:** NM\_026731

**Insert Size:** 444 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).



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<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_026731.3</a></u> , <u><a href="#">NP_081007.2</a></u>
<b>RefSeq Size:</b>	531 bp
<b>RefSeq ORF:</b>	444 bp
<b>Locus ID:</b>	68458
<b>UniProt ID:</b>	<u><a href="#">Q91VC7</a></u>
<b>Cytogenetics:</b>	7 B1
<b>Gene Summary:</b>	Inhibitor of PPP1CA. Has over 1000-fold higher inhibitory activity when phosphorylated, creating a molecular switch for regulating the phosphorylation status of PPP1CA substrates and smooth muscle contraction (By similarity).[UniProtKB/Swiss-Prot Function]