

## Product datasheet for **MC221580**

### **PPP1R21 (NM\_028658) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PPP1R21 (NM_028658) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R21
Synonyms:	1110018J12Rik; AI426045; AW550781; Ccdc128; Klraq1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC221580 representing NM\_028658  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCCGCATCGCC

ATGGCCTCCGAGAGTTGCAGGGGAAGTACCAGAAGCTGGCTCAGGAGTACTCGAAGCTTCGAGCTCAGA  
 ATCAGGTTCTGAAGAAAGGTGTTGTGGATGAGCAGGCCAGCTCTGCTGCTCTGAAGGAACAACCTGAAAAT  
 GAAGGACCAGTCTTGAGGAAACTGCAGCAGGAAATGGACAGTTTGACATTTTCAAAATCTGCAGCTTGCC  
 AAGAGGGTGAACCTCTCAAGATGAGCTAGCACTAAGTGAACCTCGAGGCAAGAAAAACAAGAAAAGTG  
 GTGAATCTTCTCAGTTGAGCCAAGAGCAGAAGAGCGTCTTTGATGAAGACCTGCAAAAGAAAATCGA  
 GGAGAACGAACGGCTGCACATACAGTTCTTGAAGCGGACGAGCATCACAGGCACGTGGAAGCGGAGCTG  
 AGGAGTCGGCTGGCCACTCTTGAACAGAAGCTGCTCAGCACCAAGCTGTGATCGACGGCTGACCCGGA  
 AGTACATGGAGACCATTGAGAACTCCAGAGCGACAAGGCAAAGCTAGAAGTAAAATCTCAGACTCTAGA  
 AAAGGAGGCCAAGGAATGTCGACTGCGAACAGAAGAATGTCAATTACAGTTAAAGAATCTTCATGAAGAT  
 TTGTCAGGTAGATTAGAGGAATCCTTATCAATCATCAATGAAAAAGTCCCTTTTAAATGATACAAAGTGTC  
 ATCTGTACAACGCTCTCAATGTTCCCTGCACAATAGGCGACACCAGCTGAAGATGCGAGATATAGCTGG  
 GCAGGCCCTGGCTTTTGTTCAGGATCTTGTACCGGCTCTTCTGAACTTTACACCTATACAGAACAGAGG  
 ATTCAAATTTTCCCTGTTGATTCTGCCATAGACACTATATCACCATTGAATCAGAAGTTCTCCCAATACC  
 TTCATGAAAACGCATCGTATGTCGCCCCCTTGAGGAAGGAATGCTGCACCTATTTCGAGAGCATTACAGA  
 GGATACTGTGACTGTCTGGAGACAACGTGAAATGAAAATGTTTTAGATCATCTAACTTCTCCTACGTA  
 CGCTTCTGAGGAAGATCCTTCTTATCAGTTAAAAAGTTTGAAGAAGAGTGTGAATCTTCCCTTGCA  
 CACTGCACGTGAGAGCCAGGAACCTGGAGCTGTCCAGGACATGAAGACGATGACAGCCGTGTTTGAGAA  
 GCTGCAGACGTATGTCACCTCTCCTCGCCTTGCCAAAGTACAGAGCCAGATGGACTCCTTCGAACAACTAC  
 ACTTCCGTCTTAACAAATGTTGGTGTCTGCTGCTGATGTTTATGATGTCATGAAAGATATTTCCAAAC  
 ACTATAGTCAGAAGGCTTCCATAGAGCATGAAATTCACACAGCAACACAGAAGCTAGTAACGACTAACGA  
 CTGCATCTTGTCTCAGCGGTGACGTTAACAACCGGAGCGGGCAAGATTGCGTCTTTCTTCGGCAACAAC  
 GTGGACTACTTATTGCTTCACTGAGCTATGGGCCAAGACAGCCAGCGGATTCTTAGTCCCCTTTTCGG  
 CTGAGTGCATGCTGCAGTACAAGAAGAAGGCTGCTGCCTATATGAAGTCTTTGAGAACGCCCTCGCAGA  
 GTCTGTGCCTTACGGGAAGCTGTGGCCAAACCGCGGTTCTCCTCAGCTCTACAGAGAGTCGGGAAGGC  
 CTTGCACAGCAGTTTACGAGAGTTTGGAAAAGATTTCTAAGCTGGAGCAGGAGAAGAACATTGGATGC  
 TAGAAGCACAGTTAGCCAAAATCAAGCTGGAGAAAGAAAACCAACGGATTGCAGACAGGCTGCGGGGCAC  
 CACCAGTGCCAGCTGCCTGGGCTGGCCAGGAGAATGCGACTGTGCCATTGCTTCCAGCCAGGAGGAG  
 GCTGCAGCCAAGGTCTGACAGAGCCTGTGACAGACACCAGTCTGGTTGGGATGTTAACCAGGACGCCAG  
 ACAGTGAGGCTCCGGATGTTGAGTCCCCTGAAGACCTAATTAAGAGTCACTACATGGCCAGGATAGCGGA  
 GCTCACATCTCAGCTGCAGCTGGCTGACAGTAAGTCAAGTGCACCTCTACGCCGAGTGCCGTGCGCTCTCT  
 AAGAGACTAGCCCTGGCGGAGAAGTCAAGGAGACACTGACAGAGGAGATGAGGCTAGCCAGTCAGAACA  
 TCAGCAGGCTTACAGGACGAGCTGATGACCACCAAGCGGAGCTACGAGGATCAGCTGAGCATGATGAGCGA  
 CCACCTATGCAGCATGAACGAGACCCTGTCCAACAGAGGGAGGAGATTGACACGCTCAAGATGGCCAGT  
 AAGGGGAATTCTAAGAAGACCCGGAATCGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI  
 ACCN: NM\_028658  
 Insert Size: 2343 bp

<b>OTI Disclaimer:</b>	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).
<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>	<a href="#">NM_028658.4</a> , <a href="#">NP_082934.3</a>
<b>RefSeq Size:</b>	3151 bp
<b>RefSeq ORF:</b>	2343 bp
<b>Locus ID:</b>	73825
<b>UniProt ID:</b>	<a href="#">Q3TDD9</a>
<b>Cytogenetics:</b>	17 E4
<b>Gene Summary:</b>	utative regulator of protein phosphatase 1 (PP1) activity. May play a role in the endosomal sorting process or in endosome maturation pathway.[UniProtKB/Swiss-Prot Function]