

## Product datasheet for **RN215053**

### **Ppig (NM\_031793) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppig (NM_031793) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppig
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN215053 representing NM\_031793  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGGAATAAAGTTTCAGCGTCTCGATGTTTTTTTTGACATTGCCATTAATAATCAACCTGCTGGAAGAG  
 TTGCTTTTGAATTATTTTCCGATGTATGTCCAAAACGTGTGAGAACTTCGTTGTCTTTGTACAGGTGA  
 AAAGGGGACAGGGAAATCAACTCAGAAGCCATTACATTATAAGAGCTGTCTCTTTTCATAGAGTTGTCAAG  
 GATTTTCATGGTTCAGGGTGGTACTTCAGTGAAGGGAATGGAAGAGGAGGAGAATCAATTTATGGAGGAT  
 TCTTTGAAGATGAGAGTTTTGCTGTTAAACACAACAAAGAGTTTTCTTTATCAATGGCCAACAGAGGGAA  
 GGATACAAATGGCTCTCAGTTCTTTATAACAACGAAACCAACTCCTCATCTAGATGGGCATCATGTTGTC  
 TTTGGCAAGTGATCTCTGGTCAGGAAGTTGTGAGAGAGATCGAAAACCAGAAAACAGATGCTGCTAGCA  
 AACCGTTTGTGAGGTTCCGATACTCAGTTGTGGAGAGCTGGTTCCCAAGTCTAAGGTTAAGAAAGAAGA  
 AAAGAAAAGGCATAAGTCATCATCTTCGTCGTCGTCAGTGATTGATAGCTCAAGTATTCTCAGTCC  
 TCCTCTGATTCTCTGATTCTGAAACTGCTTCTGAAGAAAAATCCAGAAAAGGAAAAAGAAACATAGGA  
 AAAATTCCCGAAAGCATAAGAAGGAGAAGAAGAAGAGAAAAGAAAAGCAAGAAAAGCCCGTCCAGTGAAG  
 TGAAGCAGACAATGTTGATGCACAGCCCAATCTACTGTCCGTCAGAGAGATCCACCTATACCGAA  
 AACAGATTCTAATGAGGAAGAGTCTCTCTAAAGCTGATGACAAGGAAAGGAAAAACAGAGAGAGAGAAA  
 GAGAAAGAGAGTGAACCCACCTAACTCCAGCCTGCCTCATACCAGCGACGATTCTTAGTTACTAGGTC  
 TGGCAGGAAGATTAAGGAAGAGGACCAAGGCGTTATCGAACTCCTTCCAGATCCAGATCGAGGGATCGA  
 TTCAGCGGAGTGAGACTCCTCCACATTGGAGACAAGAGATGCAGAGAGCTCAGAGAATGAGGGTGTCAA  
 GTGGTGAAGATGGATCAAAGGGGATAAGAGTGAGTTAAATGAAATAAAAGAAAAATCAAAGAAGCCCACT  
 TAGAGTAAAAGAGAAAAAATAACAGATCATAGACACATGTCTGAGAGTCCAAACAGGGGATAGAGAAG  
 GGGGGAAAAGTTAAAGACCATAAACTCGAAAGCAAAGAGAGAGACATCAGAAGAAATTCAGGAAAAGATG  
 ATAAATATAATAAAAAAAGGTGAAGAAAAGGGGCAAAATCCAAGAGTAGGAGCAAGAGCAAGGAGAGATC  
 CAAGAGTAAGGAGCGAGACTCAAAGCACAGTAGACACGAAGACAAGGGTGAGGTCCAGAAGTAAAGAA  
 AGGGATCATGAGACTACTAAAGAAAAAGAAAAACAGTTGGATTCTAAAGGGAAAGATCAGGAAAGGAGTA  
 GAAGCAAAGAGAACTCCAACAGGTAGAATCGAAAAGTAAATGAACATGATCATAGTAAAAGTAAAGAAAA  
 GGATAGACGTGCACAGTCTAGGAGTAGAGAACGGGATCTAACTAAAAGCAAACACAGTTACAACAGTAGA  
 ACAAGGGAGCGAAGCAGAAGTAGGGACAGGAGCAGAAGAGTGCAGTCCAGAAGCCATGACCGAGATCGCA  
 GCAGAAGCAAGGAGTACCATAGATACAGAGAACAGGAGTATAGGAGGAGAGGAAGGTACAGAAAGCCGGGA  
 TCGAAGAACACCAGGACGATCGAGAAGTAAAGATAGGAGGAGAAGAAGGAGGGATTCCCGGAGCTCAGAG  
 AGAGAAGAAAGTCAAAGTAGAAACAAAGAAAAATATAGAAGCCAAGACAGTAAAGAGTTACACAGAAAAAG  
 AAAATTCTGAGGGCGAGAAAAGAATGTACTCTAAAAGTCGTGATCATAGTAGCTCAAATAAATACAGGGA  
 AAAAAAGCTGACATAGATCAAAGTCCAGTGTCCAAAACAAAGCAAAGCAGTCAAGGACAATGAAGTGAAG  
 TCCTCCACGTTAAAAAATCAAGAGGATGAGAAGACCAGATCCCCAGTGGAGAAAAGAAAACAAAAATCAA  
 AGGGTCAAAGAAAATGACCATGTACATGACAAAAATAAAAAAGTGTGATCATGAATCGAGCCCCGGAACAGA  
 TGAAGACAAAAGCGGATGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

**ACCN:** NM\_031793

**Insert Size:** 2259 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).

<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_031793.1</a></u> , <u><a href="#">NP_113981.1</a></u>
<b>RefSeq Size:</b>	3964 bp
<b>RefSeq ORF:</b>	2259 bp
<b>Locus ID:</b>	83624
<b>UniProt ID:</b>	<u><a href="#">O55035</a></u>
<b>Cytogenetics:</b>	3q21
<b>Gene Summary:</b>	member of the cyclophilins that function as peptidylprolyl-isomerases (PPIases) to catalyze the conversion of cis-proline to trans-proline in a polypeptide chain [RGD, Feb 2006]