

## Product datasheet for **RN217247**

### **Ppp4r3a (NM\_001271174) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ppp4r3a (NM_001271174) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ppp4r3a
Synonyms:	RGD1309059; Smek1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN217247 representing NM\_001271174  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGACCGACACCCGACGGCGGGTGAAGGTCTACACGCTCAACGAGGACCGCAGTGGGACGACCGGGGTA  
 CTGGCCATGTGTCTCCGGCTACGTGGAGAGGCTGAAGGGCATGTCCCTGCTCGTCAGGGCAGAGAGCGA  
 CGTTTCTCTTCTAGAGTCCAAAATAAACCCCTAACACTGCATACCAGAAAACAAGGACTCTGATT  
 GTGTGGTCTGAAGCAGAAAATTATGACTTGGCCCTTAGCTTTCAAGAAAAAGCTGGATGTGATGAAATTT  
 GGGAAAAAATATGTCAGGTTCAAGGAAAGGACCCCTCAGTGGACATCACTCAGGACCTGGTAGATGAGTC  
 TGAGGAGGAGCGATTGATGACATGTCTCGCCAGGTCTAGAGCTGCCATCGTGTGAGCTGAGCCGGCTT  
 GAGGAGGTTGCAGAGCTGTGGCTTCGCTTACCTTCCCCCTCCGGCGGGAGAACTGCACTCGCAC  
 TGGAGAACGAGGGTTATATTAAGGCTTTTAGAGCTTTCCATGTGTGAGGATCTGGAAAACATTGA  
 AGGACTGCACCCTTATATGAGATTATCAAAGGGATCTTCTCTGAATCGAACTGCTCTTTTTGAAGTT  
 ATGTTCTCTGAGGAATGATAATGGACGTCATTGGATGCTTGGAAATAGACCCAACCTTTATCACAACCAC  
 GAAAACACAGGAATTTTAACAAAAACAGCTAAGTTTAAAGAAGTAATCCCATATCAGATCCTGAGCT  
 GAAACAAAAAATTCATCAACATACAGATTCACTATATAACAAGACATGGTTCTCCCTACCCCTCAGTC  
 TTTGAAGAAAACATGTTATCAACTTCACTCCTTATCTTTTTCAACAAGGTAGAAATTGTTGGTATGT  
 TACAGGAAGATGAAAAATTTCTGACAGATTTGTTGCACAACACAGATGAAGCAACAGATGAGGAAAA  
 AAGACAAGAAATGGTTAACTTTTTAAAAGAAATTTGTGCATTTTCTCAAACGCTACAACCCAAAAATAGA  
 GATGCTTTTTTCAAGACTTTGTCAAATATGGGCATATTACCAGCTTTAGAAGTCATCCTTGGCATGGTACG  
 ATACACAGGTGCGAAGTGTCTACTGATATTTCTCATACTTGGTTGAATATAACCCATCCATGGTACG  
 AGAGTTTGTGTCATGCAGGAGGCACAACAGAATGATGATGAAGTAAGAAGTTAACAGAGCAAAAAATAACC  
 AGCAAGGATATTTTGTCTCATCAACCTCATTATAGAACATATGATTTGTGATACAGATCCAGAGCTTGGAG  
 GAGCAGTCCAACCTATGGGCTGCTTCAACTTTAGTTGACCCAGAGAACATGCTAGCCACTGCCAATAA  
 AACAGAAAAGACTGAATTTCTGGGTTTCTTCTACAAGCACTGTATGCATGTTCTCACTGCTCCCTACTA  
 GCAAATACAACAGAAGATAAGCCTAGTAAAGATGATTTTCAAGCTGCGCAGTTACTAGCACTTGTATTGG  
 AATTGCTAACATTTTGTGTGGAGCACCATACCTACCACATAAAGAAGTATATTATCAATAAGGACATTCT  
 TCGCAGAGTGCTAGTTCTTATGGCCTCCAAGCATGCTTTCTTGGCGTTATGTGCCCTCCGTTTTAAGAGA  
 AAAATCATTGGATTAAGATGAATTTATAACCGCTACATAATGAAAAGTTTTTTATTTGAACCTGTAG  
 TCAAAGCATTCTCAACAACGGATCTCGTTACAATCTGATGAACTCCGCCATAATAGAAATGTTTGAATT  
 TATCAGAGTGGAAGATATAAAATCATTAACTGCCCATGTAATTGAGAATTATTGGAAGCACTAGAAGAT  
 GTAGATTATGTGCAGACTTTTAAAGGATTAATAATGAGGTTTGAACAGCAAAGAGAAAGGCAAGACAACC  
 CAAAACCTCGACAGCATGCGGTCCATCTTGAAGGATCATCGATACCGACGAGATGCCAGGACACTAGAAGA  
 TGAAGAAGAGATGTGGTTCAACACAGATGAAGATGACATGGAAGACGGAGAAGCTGTGGTGTCTCCATCT  
 GACAAAACCAAGAATGATGACGATATTATGGATCCAATAAGTAAATTTATGGAAGGAAGAAATTGAAAG  
 AGAGTGAAGAAAAGGAGGTGCTTCTGAAAATAATCTTCTGGACGACAGAGCCCGAGTTTCAAACCTTC  
 CTTGCCAGTGGGACAAAGACTAACCTCACCAGCCAGTCATCCGCCACAAGCCTGCCTGGTTCTCCAGGA  
 TCACCTGGGTCGCCAGGCTCTCCTGGCTCTCCTGGATCCGTCCTAAGAGTACATCTCAGCCGGCAGCTA  
 TTACCACAAAGGAGGACTTGTGGTCTGGTAGATTATCCTGATGATGATGAAGATGATGATGAGGATGA  
 AGACAAGGAAGACACACTACCAGTGTCAAAGAAAGCAAAATTTGAGTCC**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001271174  
**Insert Size:** 2502 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>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<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>NM_001271174.1, NP_001258103.1</u>
<b>RefSeq Size:</b>	4388 bp
<b>RefSeq ORF:</b>	2502 bp
<b>Locus ID:</b>	314388
<b>Cytogenetics:</b>	6q32