

Product datasheet for **RN200047**

Arpp21 (NM_001135045) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Arpp21 (NM_001135045) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Arpp21
Synonyms:	Arpp-21; Ppp1r1c; Ppp1r1cl; RGD1307208; RGD1307215
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN200047 representing NM_001135045
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCTGAGCAAGGAGAATAACCCCGACCATACTGGAAGAAGGGCGGACAGAGCCAGAATCTGCCCCAG
 AAAATGGCATCCTCAAGTCAGAAAGTCTGGATGAGGAGGAGAAGCTGGAAGTGCAGCGGCCACTGGCAGC
 TCAGAACCAAGAGAGAAGAAAATCCAAGTCAGGAGCAGGTAAAGGGAAGCTGACCAGAAGCTTGTGTGTC
 TGTGAAGAGTCTTCAGCCAGACCTGGAGGGGAAAGTCAACCAGGATCAGGAATCAATTCACCTACAGCTTT
 CCAGTTTCCCGAGCCTGCAAGAGGAGGATAAATCTAGGAAGGATGACTCTGAGAGAGAAAAAGAAAAGGA
 TAAGAACAGAGAGAACTCTCTGAGAGACCAAGATCAGAATGTTATCGAAAGATTGCAGCCAAGAATAT
 ACGGATTCTACAGGCATAGACTTACATGAGTTTCTAATTAACACGCTGAAGAACAACCTCCAGGGACAGGA
 TGATACTCTTGAAAATGGAGCAGGAAATGATTGATTTTCATTGCTGACAGCAATAACCACTATAAAAAAGTT
 CCCCAGATGTATCCTATCAGAGGATGCTGGTCCATCGGGTGGCAGCGTACTTCGGGTTGGACCACAAT
 GTGGATCAAAGTGGAAAATCTGTATCATCAACAAGACCAGCAGCACCAGAATACCAGAGCAAAGGTTTT
 GTGAACATTTAAAAGATGAAAAGAGTGAAGAATCCAGAAGCGGTTTATCTTGAAGCGAGATAAATCTAG
 TATTGATAAAGAAGACAATCAGAACAGAATGCACCCATTTAGAGATGACAGACGAAGTAAATCAATTGAA
 GAGAGAGAAGAGGAATATCAGAGAGTGAAGGAGAGAATATTTGCACACGATTTCAGTTTGTCCCAGGAAA
 GCCTATTTTTGGATAACAGTAGGCTCCAGGAAGATATGCACATATGCAATGAGACCTATAAGAAAAGACA
 GCTCTTTCGGGCTCACCGAGACAGCTCAGGAAGAACTTCCGGGAGCCGGCAGAGCAGCTCAGAGACTGAG
 CTCAGGTGGCCAGACCACAGCGAGCCTGGAGCAGCACAGATTCTGACAGCTCCAACCGCAATCTGAAGC
 CCACCATGACCAAGACTGCAAGTTTTGGGGGCATCACGGTGTGACCAGGGGCGACAGCACATCCAGTAC
 TAGGAGTGTGGGAAACTGTCCAAAACAGTTCTGAGTCTTCAGCAGTGCAGGCTCCTCAGGATCACTG
 TCCCGCACCCACCCGCTCTGCAGAGCACAGCCCTGACCTCTAGTGTGGCAGCTGGCTCTCCTGGCTGTA
 TGGCCTATTCAGAGAATGGAATGGGGGGCCAGGTTCTCCAGCAGCACCAGCTACATCCTCCTCCCACT
 TGAAAGCGCGACTGGCATCCACCTGGAAGCATCCTTCTTAATCCACACACAGGTGAGCCCTTTGTGAAC
 CCGGATGGAACCTCTGCGATATACAACCTCCCGGAAGTCAGCAGACGCTGCGTGGCACTGTGAGTGGC
 AGCCTCAACAACCCACCACAGCAACCGTCTCCTCAGCCTCAGCAGCAGGTCCAGGCATCACAGCCTCA
 GATGACAGGGCCACTGGTCACTCAGAGAGAAGAGATGGCTGCGCAGTTTCAGTTCAGCTGAGCATGAGCAGG
 CAGTCTCGGGAGACTCCTGAACTCCCTCTGGTCCAGTCTACCCAGCCTCCCTCATGAAGCAGCTC
 AGCCACCAAGCTACGTATCACTTCTGCAGGCCAGCAGCTCTCCACAGGGGGTTTCTCGGACTCTGGCCC
 GCCCATCTCCAGCAGGTCTGCAGGCCCGCCCTCTCCCCAGGGATTTGTACAGCAGCCTCCACCTGCG
 CAGATGTCCGTATATTACTACCCATCTGGTCAGTACCCTACCTCAACCACACAGCAGTACCGACCCCTGG
 CCTCAGTCCAGTACAGCGCTCAGAGGAGTCAGCAAATACCACAGACCGCGCAGCAAGCAGGTTACCAGCC
 AGTCTTGTCTGGTCAACAGAGCTTTCAAGGCTGATGGGAGTACAGCAGTTCAGCTCACAGCCAGGGGGTG
 ATGAGCAGTCAGCAAGGAGCCCCGGTGCATGGTGTGATGGTCTCCTACCCAACCATGTCTTCTTATCAGG
 TGCCAATGACCAAGGTTCTCAAGCAGTGCCCCAGCAGACATACCAACCGCAATCATGCTGCCAGTCA
 GACAGGCCAAGGGTCACTCCAGCCACCGGAATGCCTGTGTACTGTAACATCACACCGCCAAGCCCTCAG
 AACAACTAAGGTTGATGGGTCCACACTGCCCTCCAGCAGGTTCTGTATGTCTGCTAGCTGCAGAA
 CAAACTGTGGGAGCATGAACAACGCTGGCTGGCCGGTCAAGTTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001135045
Insert Size: 2427 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:	<ol style="list-style-type: none">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:	<u>NM_001135045.1</u> , <u>NP_001128517.1</u>
RefSeq Size:	3204 bp
RefSeq ORF:	2427 bp
Locus ID:	363153
Cytogenetics:	8q32