

Product datasheet for **RN217233**

Ppp4r3a (NM_001108050) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ppp4r3a (NM_001108050) 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: >RN217233 representing NM_001108050
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGACCGACACCCGACGGCGGGTGAAGGTCTACACGCTCAACGAGGACCGGCAGTGGGACGACCGGGGTA
CTGGCCATGTGTCTCCGGCTACGTGGAGAGGCTGAAGGGCATGTCCCTGCTCGTCAGGGCAGAGAGCGA
CGTTCTCTTCTAGAGTCCAAAATAAACCTAACACTGCATACCAGAAAACAAGGACTCTGATT
GTGTGGTCTGAAGCAGAAAATTATGACTTGGCCCTTAGCTTTCAAGAAAAAGCTGGATGTGATGAAATTT
GGGAAAAAATATGTCAGGTTCAAGGAAAGGACCTTCAGTGGACATCACTCAGGACCTGGTAGATGAGTC
TGAGGAGGAGCGATTGATGACATGTCTCGCCAGGTCTAGAGCTGCCATCGTGTGAGCTGAGCCGGCTT
GAGGAGTTGACAGAGCTGTGGCTTCGCTTACCTTCCCCCTCCGGCGGGAGAACTGCACTCGCAC
TGGAGAACGAGGGTTATATTAAGGCTTTTAGAGCTTTCCATGTGTGAGGATCTGGAAAACATTGA
AGGACTGCACCCTTATATGAGATTATCAAAGGGATCTTCTCTGAATCGAACTGCTCTTTTTGAAGTT
ATGTTCTCTGAGGAATGATAATGGACGTCATTGGATGCTTGGAAATGACCCAACCTTTATCACAACCAC
GAAAACACAGGAATTTTAACAAAACAGCTAAGTTAAAGAAGTAATCCCATATCAGATCCTGAGCT
GAAACAAAAAATTCATCAACATACAGATTCACTATATAACAAGACATGGTTCTCCCTACCCCTTCACTC
TTTGAAGAAAACATGTTATCAACTTCACTCCTTATCTTTTTCAACAAGGTAGAAATTTGGTATGT
TACAGGAAGATGAAAAATTTCTGACAGATTTGTTTGCACAACACAGATGAAGCAACAGATGAGGAAAA
AAGACAAGAAATGGTTAACTTTTTAAAAGAAATTTGTGCATTTTCTCAAACGCTACAACCCCAAAATAGA
GATGCTTTTTTCAAGACTTTGTCAAATATGGGCATATTACCAGCTTTAGAAGTCATCCTTGGCATGGTACG
ATACACAGGTGCGAAGTGTCTACTGATATATCTCATCTTGGTTGAATATAACCCCATCATGGTACG
AGAGTTTGTGTCAGGAGGCACAACAGAATGATGATGATATTTTGTCTCATCAACCTCATTATAGAACAT
ATGATTTGTGATACAGATCCAGAGCTTGGAGGAGCAGTCCAACCTATGGGCTGCTTCAACTTTAGTTG
ACCCAGAGAACATGCTAGCCACTGCCAATAAAACAGAAAAGACTGAATTTCTGGGTTTCTCTACAAGCA
CTGTATGCATGTTCTCACTGCTCCCTTACTAGCAAATACAACAGAAGATAAGCCTAGTAAAGATGATTTT
CAGACTGCGCAGTTACTAGCACTTGTATTGGAATTGCTAACATTTTGTGTGGAGCACCATACCTACCACA
TAAAGAACTATATTCAATAAGGACATCTTCGCAGAGTGTAGTTCTTATGGCTCCAAGCATGCTTT
CTTGGCGTTATGTGCCCTCCGTTTTAAGAGAAAAATCATTGGATTAAGATGAATTTTATAACCGCTAC
ATAATGAAAAGTTTTTTATTTGAACCTGTAGTCAAAGCATTCTCAAACAACGGATCTCGTTACAATCTGA
TGAACCTCCGCATAATAGAAATGTTGAATTTATCAGAGTGGAAGATATAAAATCATTAACTGCCATGT
AATTGAGAATTATTGAAAGCACTAGAAGATGTAGATTATGTGCAGACTTTTAAAGGATTAATTTGAGG
TTTGAACAGCAAAGAGAAAGGCAAGACAACCCAAAACCTCGACAGCATGCGGTCCATCTTGAGGAATCATC
GATACCGACGAGATGCCAGGACTAGAAAGATGAAGAAGAGATGTGGTTCAACACAGATGAAGATGACAT
GGAAGACGGAGAAGCTGTGGTGTCTCCATCTGACAAAACCAAGAATGATGACGATATTATGGATCCAATA
AGTAAATTTATGGAAGGAAGAAATTGAAAGAGAGTGAAGAAAAGGAGGTGCTTCTGAAAACATACTTT
CTGGACGACAGACCCGAGTTTCAAACCTTCTTGTCCAGTGGGACAAAGACTAACCTCACCAGCCAGTC
ATCCGCCACAAGCCTGCCTGGTTCTCCAGGATCACCTGGTCCCAGGCTCTCTGGCTCTCCTGGATCC
GTCCCTAAGAGTACATCTCAGCCGGCAGCTATTACCACAAAGGGAGGACTTGTGGTCTGGTAGATTATC
CTGATGATGATGAAGATGATGATGAGGATGAAGACAAGGAAGACACACTACCAGTGTCAAAGAAAGCAAA
ATTTGAGTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms: https://cdn.origene.com/chromatograms/ja3108_b04.zip

Restriction Sites: SgfI-MluI

ACCN: NM_001108050

Insert Size: 2463 bp

OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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).</p>
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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_001108050.2</u> , <u>NP_001101520.2</u>
RefSeq Size:	4164 bp
RefSeq ORF:	2463 bp
Locus ID:	314388
Cytogenetics:	6q32