

Product datasheet for **RR208161**

PPP1R3A (NM_001109222) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r3a (NM_001109222) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ppp1r3a
Synonyms: RGD1561312
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR208161 representing NM_001109222
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGAGCCCGCCGAAGTACCCGGTCAGATTAGCAAAGATAACTTTTTAGAAGTTCCTAATCTGTCCGATT
 CTGTGTGTGAAGATGAAGAAGTTAAAGCGACCTTCAAGCCTGGCTTCTCCCTCAGCCAAGCAGACGGGG
 GTCAGAATCTTCTGAAGACTTATATCTGGACACCCCAACCTCAGCTTCCCGGAGAGTTTCTTTGCTGAC
 AGCCTTGGATTAGTCTTGTGTCTGTTAAAGAATTTGATTGTTGGGACTTACCAAGTGTTCAACTGATT
 TTGACTTAACTAGGGATGTCCTCCACACAGATGAATATATTTTATCTCCACTGTTGACTTGCCCTCTTC
 CAAAGAAGAGCTTATGGAACAACCTCAAGTCCAGAAGGCAGTGTGGAGTCCGGCTGAACACCTTCTCTGGG
 TCGACAAGTGTGAAGGGCATCATTGAGTTCTGAACATTTCTTTTGAAGTTAGTGTATGTGCGCATGT
 CTTTGGACGACTGGCAGACACATTATGACATTTTAGCAGAATATGTTCTAATTCGTGCGATGGTGAAAC
 TGACCAGTTCTCCTTTAAGATTTTCATTGGTCCACCTTATCAAATGGACGGCGTAAAGTGGAGTTTTC
 ATACGCTATGAACTTCTGTTGGTACATTTTGGTCAAATAATAATGGGACAAATATATATTGGTTGTC
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 CTGCTTAAAGGTAAAATCAAGCAGTAAAGAAGAACCATTGCTAACACCAGAAGAAAATAAGCTTGGGACT
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 AGTTTGAAGAATCAAATGCGTCTTACAAGATGAGTACGACAAAGTGGATGATAAAAGGGAGAAGAAAA



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CATGCTTAGGTGTTAATGAAAACCCAGGCAAGAATTTTCAATCAATATTCCAGAACCAAGAGAGACAAAT
 GGGGTGTGCAAAAATAAGCGGTGAAGGGGCTAATGCTAATAACCAAGACTTGACCACTCTACTGAGCAAA
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 CAGATCTTGAGCTGCTTCAAGAATTATCAAGGAGAACAGACTTCAATGCTGTTCACTCTGCAATTAACCT
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 TATGGTGAACAGAAAAGCAGTTATTAACACAACACTCCAGTCTGTTCTACGAAATCAGAATATAATTGTC
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR208161 representing NM_001109222

Red=Cloning site Green=Tags(s)

MEPAEVPQGQISKDNFLEVPNLSDSVCEDEEVKATFKPGFSPQPSRRGSESSEDLYLDTPTSARRVVSFAD
 SLGFSLSVSKFDCWDLPSVSTDFDLTRDVLHTDEYILSPLFDLPSSKEELMEQLQVQKAVLESAEHLPG
 STSVKGIIRVLNISFEKLYVVRMSLDDWQTHYDILAEYVPNSCDGETDQFSFKISLVPPYQMDGGKVEFC
 IRYETSVGTFWSNNGTNYILVCQKKTKEPEPVVKPLEEGPSRQIKGCLKVKSSSKEPLLTPENKLTGT
 LKFTESYIPTIICSHEDRDDLGANYQHVKDIDKKHDEHNEKELDLMINQRLITSHDEKNTFSTDAVNSTN
 KAEGSEKKQARHEIHTDLCRGPLSPSLSAESSLKRDFYHSRNYSPGNEHGHPPEEIIISDVGAIGSPLGD
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 SLRESNASYKDEYDKVDDKREKKTCLGVNENPGKNFQSFQNRQRMGCAKISGEGANANNQDLTLLSK
 DTTNTWAVTVDPSPSTNTNVNREAGNGTDLERRTDLGSPRNFSLLDGYLEFQADREKSDSSNSEDNRN
 MNPQHKNWNVLESQPETRETETNITKHTKEQAEYKDTWGRDNRNLKATSTEQLFTCQETECCELSSL
 ADHGITEKAQAVAAAYIIKTTLESTPESASARGKAIIAKLPQETARHDRPIEVKETAFDPHEGRKDDSHYS
 LCHGDTAGVIHDNDFERESHLDICNVRVDEMEKEKTTSTCSPRKTYDKEKHGIGSVTSIDEPSQVITGNQ
 KATSKLDLHLGVLPTDRAILSANADLELLQELSRRTDFNAVHSAFNSDPGSASQDSSQVYRRCCKKPVPS
 YGEQKAVINTTLQSVPTKSEYNCHPESEIFGHATSKPEVVFKSSEIIKSGSGGEQGVGPILOQKEGSLEK
 SQDPMISINEPLENLDEVRSENEGLMRSGQLQCYLGDKGSVSSASATVPTQELQAQGSSELLSISINSKI
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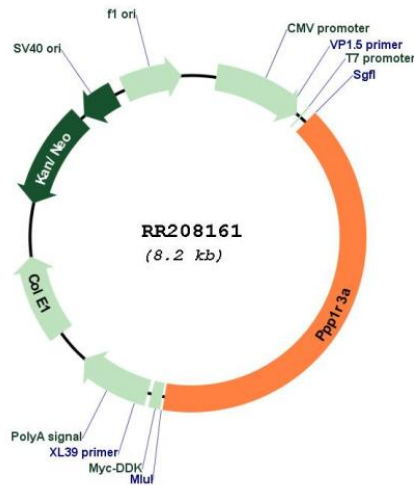
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001109222

ORF Size: 3288 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_001109222.1, NP_001102692.1</u>
RefSeq Size:	7529 bp
RefSeq ORF:	3291 bp
Locus ID:	500036
Cytogenetics:	4q21
MW:	122.1 kDa