

Product datasheet for **RR214355**

PPP2R3A (NM_001012202) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp2r3a (NM_001012202) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Ppp2r3a
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR214355 representing NM_001012202
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCAGCAACTTACAGACTCGTGGTTAGCACTGTGAACCATTATAGCAGTGTAGTGATAGACGGCGTT
TTGAACAAGCCATACATTATTGCACCTGGAACCTGCCATACCTTCACACATGGAATAGACTGCATTGTAGT
GCATCATAGTGTGGTGCAGACCTTTGCACATCCCTGTGTCTCAGTTCAAAGATGTGGATCTGAACCTCT
GTGTTTTGTCTCATGAAAATGGCCTTTCTCAGCTGAAGACTATCCCCATCAGGCCCTCACAGGAATAC
CCAGGTCCAAGAGAGCATCCACATTTTCAAGAACTCTGAACTTAAAGGACATTGCAGGAGAAGCAATCAG
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ATAGTAACGATGGGACCTCCCCATCCTTTGGCTTACTCCGGAGTTCCTCAGTTGAGGAAAAATCTTTATC
TCATAGAACTCACTAGATACAAGCCTAACTCCATGCTTTTTCAGAAGTGTCTGAAGAAGATCTAGTT
ACGCAGATTTGGAAAAACATAAAATAGATCATTTTTCTCTGGGACAGACATAAAATGTGCTTGAC
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CATAAACCATTTAGAGAATGTTTCTTCTGGTAACTTAATGGAACTCTTTATATTGAAGAAGAGTCAGAT
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TTCTCTAAATAGTCATAGTCATTTGACTGGTCAGATCCACAAAGATCTTGAGCCTAAACCTATAGTCTCT



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TCAGCTACGGAGAAAGTCTCACCTTCTGTCTAACAAGGATTATTGAAAACAACGGACACAAAATAGAGG
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 CAAGTCAAGCAGAGGGGAGCCTATCAAGAAGAAAGGAAATGATGCAAAATTCGAGGAACTTTGACAGCT
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR214355 representing NM_001012202
 Red=Cloning site Green=Tags(s)

MAATYRLVSTVNHYSVVIDRRFEQAIHYCTGTCHFTFHGIDCIVVHHSVCADLLHIPVSQFKDVDLNS
 VFLSHENGLSSAEDYPHQALTGIPRSKRSTFQNTCNLKDIAGEAISFASGKIKEFSLEKLRNSNHAAAYK
 KGRKVKSDSFNRRSVDLDDLLCGHYSNDGTSPSFGLLRSSSVEEKSLSHRNSLDTSLSMLFQNLSEEDLV
 TQILEKHKIDHFSSTGDIKMCDDILLKCESEDLKCTDIKQCIKKKSGGSINEGSGDAMNSSETVYMN
 MARLAYLRLKLPFEFVQSGSNETVDLTELNNVNPQLTPFSPLYGTEQPPKYEDIVHLSALDSRQFQTV
 ELQDDMHNFQTDVTKTPPNTNSLCSLEVNDPGTLKPVQLQSPSLTINHLENVSSGNLMTLYIEEESD
 GKKSLLDKGQKADNGQGQEPKLVNEHKEFSHDHTYLKCPAPVQNEISKIFEKPMVVRPPKEESELA
 VPPTELRAQRHFMNPSQEEIDKLLMDLESFSQKMETSLGEPLAKGKSINSLNSHSLTGQIHKDLEPKPIVS
 SATEKVSPLSTRIIENNGHKIEEEDRALLRILESIDFAQELVECKSSRGSLSQEKEMQILQETLTA
 SSQPTPSVSRSPVGEKPKDSTSVVLIQQTPEVIKIQNKPEKPPATPCPPAATLPSSPQPASPVCSDV
 NTPLSINIPQFYFPEGLPDTCSNHEQILGRIEAAFKDIEDQKADIIHEMGRIAKACGCPLYWKAPMFR
 AAGGEKTFVTAQSFAMWKKLLSDHDDASRFIWLAKPSCSHLQEQEDFIPLLDVVDTHPGLTFLKDAPE
 FHSRYITTVVQRIFYTVNRSWSGKITSTEIRKSNFLQTLALLEEEDINQITDYFSYEHFYVIYCKFWEL
 DGDHDLISQADLSRYNDQASSNRIIERIFSGAVTRGKTQVREGRMSYADFVWFLISEEDKRNPTSIEYWF
 RCMDVDGDGVLSMYELEYFEEQCERMEAMGIEPLPFHDLQCMLDLVKPANDGRITLRLKRCRMAHIF
 YDTFFNLEKYLDEQRDPFAVQKDVENEGPEPSDWRFAAEEYEALVTEESAQVQLQEGSFEDYESDEP
 VSPSELGNKGNKILTSSLSEKCGKLQSVDEE

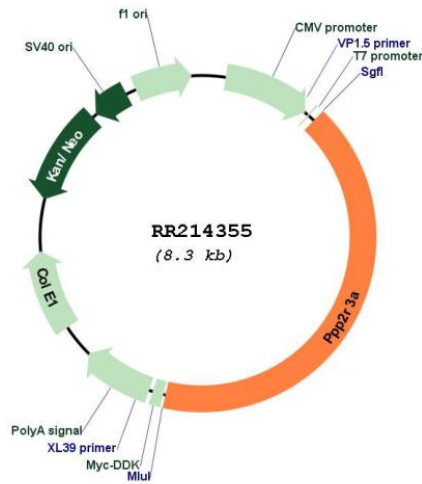
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001012202

ORF Size: 3450 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_001012202.2, NP_001012202.2</u>
RefSeq Size:	5212 bp
RefSeq ORF:	3453 bp
Locus ID:	363122
Cytogenetics:	8q31
MW:	129.9 kDa