

Product datasheet for **RR212097**

PPP2R2A (NM_053999) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Ppp2r2a (NM_053999) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Ppp2r2a
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 Cell Selection: Neomycin
 ORF Nucleotide Sequence: >RR212097 representing NM_053999
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCAGGAGCTGGAGGAGGAATGATATTCAATGGTGTTTTTCTCAGGTGAAAGGAGCAGTTGATGATG
 ACGTAGCAGAAGCAGATATAATTTCTACAGTAGAGTTAATCATTCTGGAGAATTACTAGCCACAGGAGA
 TAAAGGTGGGAGAGTCGTCATCTTTCAACAAGAGCAGGAGAACAATAATCCAGTCTCATAGCAGAGGAGAA
 TACAATGTTTACAGCACCTTCCAGAGCCATGAGCCAGAATTTGACTACTTGAAAAGCTTAGAAAATAGAAG
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 TGATTATGAAACCTACTTATCAGCAGATGATTTGCGAATTAATCTCTGGCATCTGAAAATTACAGACAGG
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 GGCATCTGCACTCTGTGACAGGCATTCTAAACTGTTTGAAGAACC GAAGATCCCAGCAACAGGTCGTTT
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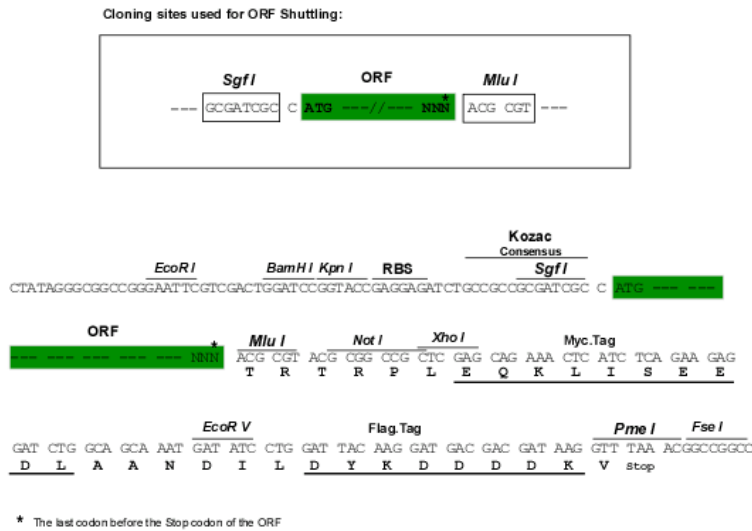
Protein Sequence: >RR212097 representing NM_053999
 Red=Cloning site Green=Tags(s)

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 YNVYSTFQSHEPEFDYLKSLIEIEEKIRWLPQKNAAQFLLSTNDKTIKLWKISERDKRPEGYNLKEED
 GRYRDPPTVTTLRVPVFRPMDLMVEASPRRIFANAHTYHINSISINSDYETYL SADDLRINLWHEITDR
 SFNIVDIK PANMEELTEVITAAEFHPNSCNTFVYSSSKGTIRLCDMRASALCDRHSKLFEEPEDPSNRSF
 FSEIISSISDVKFSHSGRYMMTRDYL SVKVDLNMENRPVETYQVHEYLRSKLCSLYENDCIFDKFECCW
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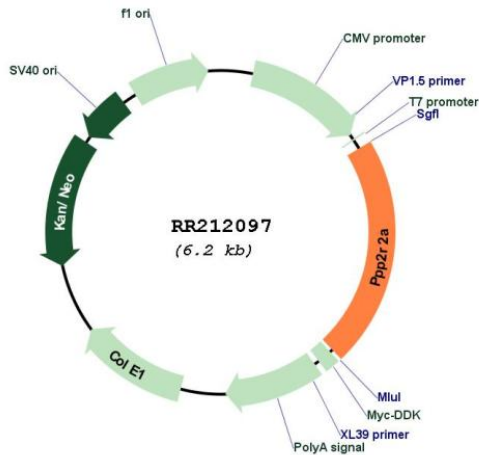
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_053999
ORF Size:	1341 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:	NM_053999.2 , NP_446451.1
RefSeq Size:	2374 bp
RefSeq ORF:	1344 bp
Locus ID:	117104
UniProt ID:	P36876
Cytogenetics:	15p12
MW:	51.7 kDa
Gene Summary:	human homolog forms a complex with cyclin G2 that may inhibit cell cycle progression [RGD, Feb 2006]