

Product datasheet for **RR207744**

PPP2R2C (NM_057116) Rat Tagged ORF Clone

Product data:

| | |
|--------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | PPP2R2C (NM_057116) Rat Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | PPP2R2C |
| Synonyms: | Pr52 |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Cell Selection: | Neomycin |



[View online »](#)

ORF Nucleotide Sequence:

>RR207744 representing NM_057116
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCGAGGACACGGACACGCGGAAAATTAACCACAGCTTCTGCGGGACCACAGCTATGTGACAGAAG
 CTGACGTCATCTCCACTGTCGAGTTCAACCACACTGGGGAAGTCTGCGCCACAGGTGACAAGGGTGGCCG
 GGTGGTTATCTTCCAGCGGGAACACAGAGTAAGAATGCACCTCACAGCCAGGGTGAAGTACGATGTGTAC
 AGCACCTTCCAGAGCCACGAGCCTGAGTTTGACTACCTGAAAAGCCTGGAGATAGAGGAGAAAATCAACA
 AGATCAAATGGCTCCCGCAGCAGAACGCCGCCACTCGCTGCTGTCCACCAATGATAAACTATTAATTAAT
 ATGGAAGATTACCGAGCGAGACAAGAGGCCCGAGGGCTACAACCTGAAGGATGAGGAGGGGAAGCTGAAA
 GACCTGTCCACAGTGACGTCCTGCAGGTGCCTGTGCTGAAGCCCATGGACTTAATGGTGAAGTGAGCC
 CGAGAAGGATCTTGCCAATGGCCACACCTACCACATCAACTCCATCTCCGTCAACAGCGACTGCGAGAC
 GTACATGTCAGCGGACGACTGCGCATTAACTCTGGCATCTGGCCATCACTGATCGGAGCTTCAACATC
 GTAGACATCAAGCCAGCCAACATGGAGGACCTCACGGAGGTGATCACAGCATCTGAGTTCCATCCGCACC
 ACTGCAACCTCTTCGTCTACAGCAGCAGCAAGGGCTCCCTGCGGCTCTGTGACATGCGGGCAGCTGCCCT
 GTGCGACAAGCACTCCAAGCTCTTTGAAAGGCCGAGGACCCAGCAACCCTCTTCTTCTCAGAGATC
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 TAAGCTCTGCTCCCTGTATGAGAGTGACTGCATCTTCGACAAGTTTGAGTGTGCCTGGAATGGGAGTGAC
 AGTGTGTCATGACAGGGGCCTACAACAACCTTCTCCGAATGTTGACCGCAACCAAGCGGGATGTGA
 CGCTGGAGGCCTCGAGGAGAGCAGCAACCCAGAGCGGTGCTCAAGCCAAGCGCGTGTGTGTGGGTGG
 CAAGCGCGGCCGTGATGACATCAGTGTGGACAGCTTGGACTTCACCAAGAAGATCCCTGCACACGGCCTGG
 CACCCAGCGGAGAATCATTGCCATTGCAGCCACCAACAACCTGTACATCTTCCAGGATAAGGTCAATT
 CTGACATGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>RR207744 representing NM_057116
 Red=Cloning site Green=Tags(s)

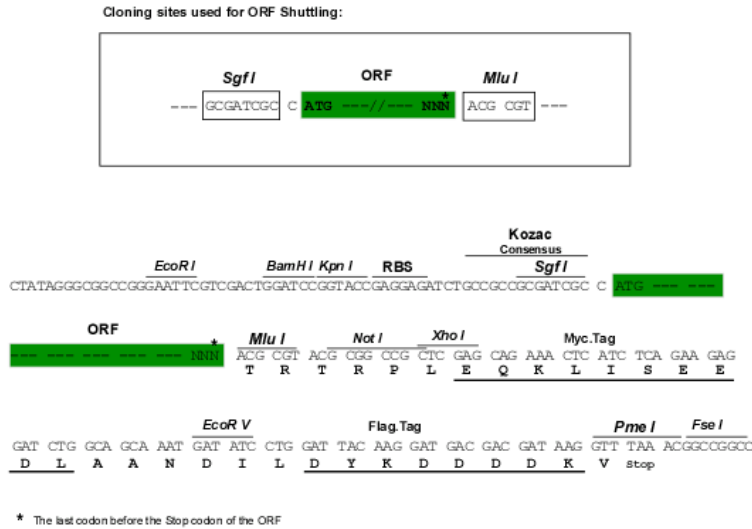
MGEDTDRKINHSFLRDHSYVTEADVISTVEFNHTGELLATGDKGGRVVIFQREPESKNAPHSQGEYDVY
 STFQSHEPEFDYLSLEIEEKINKIKWLPQQAHSLLSTNDKTIKLWKITERDKRPEGYNLKDEEGKLLK
 DLSTVTSLQVPLKPMMLMVEVSPRRIFANGHTYHINSISVNSDCETYSADDLRINLWHLAITDRSFNI
 VDIKPANMEDL TEVITASEFHPHHCNLFVYSSSKGSLRLCDMRAAALCDKHSKLFEEPEDPSNRSFFSEI
 ISSVSDVKFSHSGRYMLTRDYLTVKVWDLNMEARPIETYQVHDYLRSLKCSLYESDCIFDKFECAWNGSD
 SVIMTGAYNNFFRMFDRNTKRDVTEASRESSKPRAVLKPRRVCVGGKRRRDDISVDSLDFTKKILHTAW
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TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

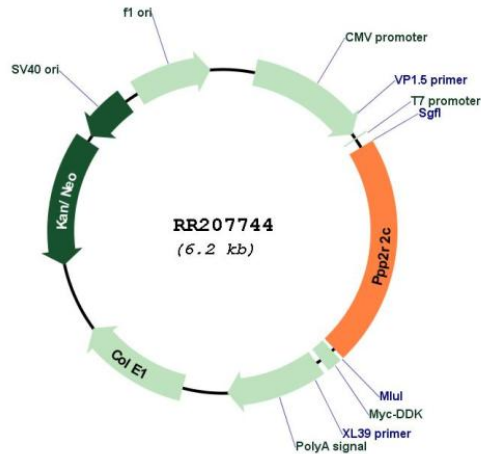
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN:

NM_057116

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:

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_057116.1](#), [NP_476457.1](#)

RefSeq Size: 1344 bp

RefSeq ORF: 1344 bp

Locus ID: 117256

UniProt ID: [P97888](#)

Cytogenetics: 14q21

MW: 51.5 kDa

Gene Summary: promotes neuronal differentiation; activates the mitogen activated protein (MAP) kinase cascade in neurons [RGD, Feb 2006]