

Product datasheet for **RC232729**

PPP2R2C (NM_001206995) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP2R2C (NM_001206995) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP2R2C
Synonyms:	B55-GAMMA; B55gamma; IMYPNO; IMYPNO1; PR52; PR55G
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC232729 representing NM_001206995
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGCGTGAGGCGGACACGTTGAGGCCACCTCAGCTGATGGAAGTTCCGCTGACATCATCTCTACCGTTG
 AGTTCAACCACACGGGAGAGCTGCTGGCCACAGGTGACAAGGGCGGCCGGTTCGTCATCTCCAGCGGGA
 ACCAGAGAGTAAAAATGCGCCCCACAGCCAGGCGAATACGACGTGTACAGCACTTTCCAGAGCCACGAG
 CCGGAGTTTGACTATCTCAAGAGCCTGGAGATAGAGGAGAAGATCAACAAGATCAAGTGGCTCCACAGC
 AGAACGCCGCCACTCACTCCTGTCCACCAACGATAAACTATCAAATTATGGAAGATTACCGAACGAGA
 TAAAAGGCCCGAAGGATACAACCTGAAGGATGAAGAGGGGAACTTAAGGACCTGTCCACGGTGACGTCA
 CTGCAGGTGCCAGTGCTGAAGCCATGGATCTGATGGTGGAGGTGAGCCCTCGGAGGATCTTTGCCAATG
 GCCACACCTACCACATCAACTCCATCTCCGTCAACAGTACTGCGAGACCTACATGTCCGGCGGATGACCT
 GCGCATCAACCTCTGGCACCTGGCCATCACCGACAGGAGCTTCAACATCGTGGACATCAAGCCGGCCAAC
 ATGGAGGACCTTACGGAGGTGATCACAGCATCTGAGTTCCATCCGCACCACTGCAACCTCTTCGTCTACA
 GCAGCAGCAAGGGCTCCCTGCGGCTCTGCGACATGCGGGCAGCTGCCCTGTGTGACAAGCATTCCAAGCT
 CTTTGAAGAGCCTGAGGACCCAGTAACCGCTCATTCTTCTCGGAAATCATCTCCTCCGTGTCGACGTG
 AAGTTCAGCCACAGCGGCCGCTACATGCTACCCGGGACTACCTTACAGTCAAGGTCTGGGACCTGAACA
 TGGAGGCAAGACCCATAGAGACCTACCAGGTCCATGACTACCTTCGGAGCAAGCTCTGTTCCCTGTACGA
 GAACGACTGCATTTTCGACAAGTTTGAATGTGCCTGGAACGGGAGCGACAGCGTCATCATGACCGGGGCC
 TACAACAATTCTCCGCATGTTTCGATCGGAACACCAAGCGGGACGTGACCTGGAGGCCCTCGAGGGAAA
 GCAGCAAGCCCCGGGCTGTGCTCAAGCCACGGCGCGTGTGCGTGGGGGGCAAGCGCCGGCTGATGACAT
 CAGTGTGGACAGCTTGGACTTACCAAGAAGATCCTGCACACGGCTGGCACCCGGCTGAGAACATCATT
 GCCATCGCCGCCACCAACCTGTACATCTTCCAGGACAAGGTAACCTCTGACATGCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232729 representing NM_001206995
 Red=Cloning site Green=Tags(s)

MREADTLRPPQLMEVSADIISTVEFNHTGELLATGDKGGRVVIFQREPESKNAPHSQGEYDVYSTFQSHE
 PEFDYLSLEIEEKINKIKWLPQQNAHSLLSTNDKTIKWKITERDKRPEGYNLKDEEGKLDLSTVTS
 LQVPVLKPMMLMVEVSPRRIFANGHTYHINSISVNSDCETYMSADDLRINLWHLAITDRSFNIVDIKPAN
 MEDL TEVITASEFHPHHCNLFVYSSSKGSLRLCDMRAAALCDKHSKLFEEPEDPSNRSFFSEIISVSDV
 KFSHSGRYMLTRDYLTVKVDLNMEARPIETYQVHDYLRSKLCSLYENDCIFDKFECANWGSDSVIMTGA
 YNNFRMFRNTRKRDVTLEASRESSKPRAVLKPRRVCVGGKRRRDDISVDSLDFTKKILHTAWHPAENII
 AIAATNNLYIFQDKVNSDMH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shutting:



* The last codon before the Stop codon of the ORF

ACCN: NM_001206995

ORF Size: 1320 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_001206995.2](#)
RefSeq Size: 4265 bp

RefSeq ORF: 1323 bp

Locus ID: 5522

UniProt ID: [Q9Y2T4](#)
Cytogenetics: 4p16.1

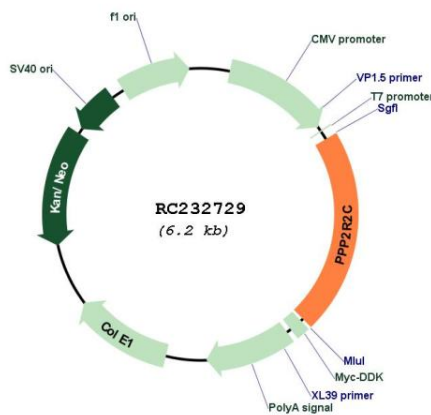
Protein Families: Druggable Genome, Phosphatase

Protein Pathways: Tight junction

MW: 51.1 kDa

Gene Summary: The product of this gene belongs to the phosphatase 2 regulatory subunit B family. Protein phosphatase 2 is one of the four major Ser/Thr phosphatases, and it is implicated in the negative control of cell growth and division. It consists of a common heteromeric core enzyme, which is composed of a catalytic subunit and a constant regulatory subunit, that associates with a variety of regulatory subunits. The B regulatory subunit might modulate substrate selectivity and catalytic activity. This gene encodes a gamma isoform of the regulatory subunit B55 subfamily. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RC232729