

## Product datasheet for **MG207229**

### **PPP2R3C (BC024754) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	PPP2R3C (BC024754) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP2R3C
Synonyms:	G5pr, G4-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG207229 representing BC024754  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACTGAAAGACGTGCTTCGCCGGCGTTAGCGTCGCCAACACGGATCCAAAGAGGAAAAAAGCG  
 AACAGAATTAAGATGAAGAAATGGATTTATTTACCAATACTACTCAGAGTGAAAGGAGGTAGAAA  
 AACACAAACGAGTTCTATAAGACCATACCCCGGTTTTATTACAGTTGCCAGCTGAAGATGAAGTCTTA  
 CTACAGAAATTACGAGAGGAATCTAGAGCTGTCTTTCTACAGAGGAAAAGCAGAGAACTCTTAGATAACG  
 AAGAGTTGCAGAACTTATGGTTTTGCTGGATAAACACCAGATACCACCTATGATTGGAGAGGAAGCAAT  
 GATCAATTATGAAAATTTTTGAAGTTGGTGAAGGCTGGACCAAAGTGAAGCAATTTTTACTGCA  
 AAAGTCTTGGCAAACCTTTCATACAGATTCATATGGACGAATTTCCATCATGCAGTTCTTAACTACG  
 TCATGCGAAAAGTTGGCTGCATCAGACAAGAATAGGACTCAGTTTATATGATGTTGCTGGCCAAGGATA  
 CCTTCGGGAATCAGACCTGGAGAACTACATCCTGGAGCTGATCCCGACGCTGCCACAGCTGGACGGGCTG  
 GAGAAGTCTTCTACTCCTTCTATGTCTGCACTGCAGTCAGGAAGTTCTTCTTCTTGGACCCTCTAA  
 GAACAGGGAAGATCAAAATTCAAGATATTTGGCATGCAGTTTTCTAGATGATTTACTGGAGCTAAGAGA  
 TGAGGAATTGTCCAAAGAAAGTCAAGAAACAAATTGGTTTTCTGCTCCTTCTGCCCTGAGGGTCTATGGT  
 CAGTATTTGAATCTTGATAAAGATCATAATGGCATGCTAAGTAAAGAGGAGCTCTCCCGTTACGGAACAG  
 CAACCATGACCAATGTCTTCTTAGACCGAGTTTTCCAGGAGTGTCTCACTTACGATGGAGAAATGGACTA  
 TAAGACCTACCTGGACTTTGTTCTTGCCTTAGAAAACAGAAAGGAGCCTGCAGCTCTGCAGTACATTTTC  
 AAAGTCTGGACATTGAGAACAAGGATACCTGAATGTCTTTCCCTTAATTATTTCTTTAGGGCCATAC  
 AAGAATAATGAAAATCCATGGACAGGATCCTGTGTCATTTCAAGATGTCAAGGATGAAATCTTTGACAT  
 GGTCAAACCAAAGGATCCTTTGAAAATCTCACTTCAGGATTTAATCAACAGTAATCAAGGAGACACAGTC  
 ACTACCATTCTAATTGATCTCAATGGCTTCTGGACCTACGAGAACAGAGAAGCCCTTGTGCAAATGACA  
 ACGAGAATCTGCAGATCTTGATGACACA

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

**Protein Sequence:**

>MG207229 representing BC024754  
 Red=Cloning site Green=Tags(s)

MDWKDVLRRRLASPNTDPKRKKSEQELKDEEMDLFTKYSEWKGGRKNTNEFYKTIIPRFYRLPAEDEVL  
 LQKLREESRAVFLQRKSRELLDNEELQNLWFLLDKHQIPPMIGEEAMINYENFLKVGEKAGPKCKQFFTA  
 KVFAKLLHTDSYGRISIMQFFNYVMRKVWLHQTRIGLSLYDVAGQGYLRESDLNILEL IPTLPQLDGL  
 EKSFYFYVCTAVRKKFFFLDPLRTGKIKIQDILACSFLLDLELRDEELSKESQETNWF SAPSALRVYG  
 QYLNLDKDHNGMLSKEELSRYGTATMTNVFLDRVFQECLTYDGEMDYKTYLDFVLALENRKEPAALQYIF  
 KLLDIENKGYLNVFSLNYFFRAIQELMKIHGQDPVFSQDVKDEIFDMVKPKDPLKISLQDLINSNQGDV  
 TTILIDLNGFWTYENREALVANDNENSADLDDT

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

SgfI-MluI

Cloning Scheme:



ACCN: BC024754

ORF Size: 1361 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: [BC024754](#), [AAH24754](#)

RefSeq Size: 2418 bp

RefSeq ORF: 1361 bp

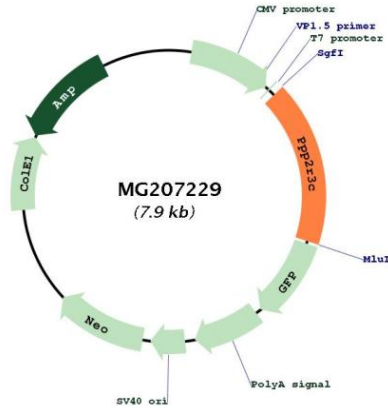
Locus ID: 59032

Cytogenetics: 12 C1

**Gene Summary:**

May regulate MCM3AP phosphorylation through phosphatase recruitment. May act as a negative regulator of ABCB1 expression and function through the dephosphorylation of ABCB1 by TFPI2/PPP2R3C complex. May play a role in the activation-induced cell death of B-cells.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG207229