

Product datasheet for **MG204546**

PPP1R3C (NM_016854) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ppp1r3c (NM_016854) Mouse Tagged ORF Clone
Tag: TurboGFP
Symbol: Ppp1r3c
Synonyms: Ppp1r5; PTG
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >MG204546 representing NM_016854
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGAGCTGCACCAGAATGATCCATGTGCTAGATCCACGTCCTTTGACAAGTTCGGTCATGCCCGTGGACA
 TGGCCATGAGGATTTGCTTGGCTCATTACCACCTCTGAAGAGTTTCTGGGTCTTACAATGGTTTTCA
 ACGAAGAAATTTGTGAATAAATTGAAACCTTTGAAACCATGTCTCAGTGTCAAGCAGGAAGCCAAATCG
 CAGAGTGAGTGAAGAGCCACACAACCAAGCCAAGAAGCGGGTCTGTGTTGCGGACTCCAAGGGCTGT
 CACTACTGCTATCCATGTCTTCTCCGACCTTCCAGAAGAACCAGCGTGGGACCTGCAGTTTGATCTCTT
 GGACCTTAACGATATCTCTCCAGCTTAAACTTCACGAGGAGAAAAATTTGGTTTTGATTTCCCCAG
 CCCTCAACCGACTACTTAAGTTTCCGGGACCGCTTTCAGAAGAAGCTTTGTCTGCCTCGAGAAGTCTCTT
 TGCAAGATCGGACGGTGACCGGGACAGTGAAAGTGAAGAATGTGAGCTTTGAGAAGAAGTTTCAGGTCGG
 GATCACCTTTGACACCTGGAAAACCTACACAGATGTGGACTGTGTCTACATGAAGAATGTTTACAGCAGC
 TCAGACAGCGACACCTTCTCTTTGCCATCGACTTGCCCCGTGTCATTCCAAGTGGAGAGAAAATTGAGT
 TCTGCATTTCTTATCACGCTAATGGGAGGATCTTCTGGGACAACAATGAGGGTCAGAATTACAGAATTGT
 CCATGTGCAATGGAAAACCTGACGGAGTGCAGACTCAGGTGGCACCCAAAGACTGTGCATTCCAACAGGGG
 CCCCCTAAGACTGAGATAGAGCCACAGTCTTTGGCAGTCCAAGGCTTGCTAGCGGCCTCTCCAGAGT
 GGCAGAGCTGGGGAGAGTGGAGAACTTGACCTCCTATCGA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG204546 representing NM_016854
 Red=Cloning site Green=Tags(s)

MSCTRMIVHLDPRLTSSVMPVDMAMRICLAHSPPLKSFLGPYNGFQRRNFVNKLKPLKPCLSVKQEAKS
 QSEWKSHPNQAKKRUVFADSKGLSLTAIHVFSDLPEEPAWDLQFDLLDLNDISSSLKHEEKNLVDFPQ
 PSTDYLSFRDRFQKNFVCLENCILQDRVTGTGTVKVNVSFEKKVQVRITFDTWKTYTDVDCVYMKNVYSS
 SDSDTFSFAIDLPRVIPTEEKIEFCISYHANGRIFWDNNEGQNYRIVHVQWKPDPGVQTVQVAPKDCAFQGG
 PPKTEIEPTVFGSPRLASGLFPEWQSWGRVENLTSYR

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_016854

ORF Size: 951 bp

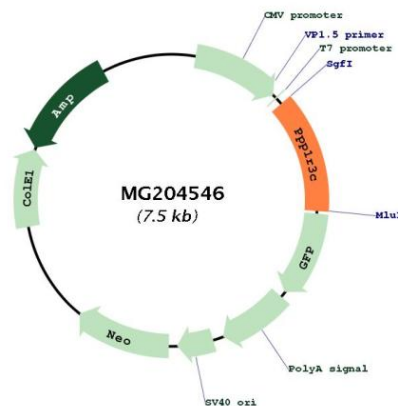
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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_016854.2 , NP_058550.1
RefSeq Size:	2696 bp
RefSeq ORF:	954 bp
Locus ID:	53412
UniProt ID:	Q7TMB3
Cytogenetics:	19 C2
Gene Summary:	Acts as a glycogen-targeting subunit for PP1 and regulates its activity. Activates glycogen synthase, reduces glycogen phosphorylase activity and limits glycogen breakdown. Dramatically increases basal and insulin-stimulated glycogen synthesis upon overexpression in a variety of cell types.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG204546