

Product datasheet for **RG224096**

PPP1R12C (NM_017607) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R12C (NM_017607) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP1R12C
Synonyms:	AAVS1; LENG3; MBS85; p84; p85
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide
Sequence:**

>RG224096 representing NM_017607
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGGAGAGGATGGCCCGCGGCTGGCCCGGGGGCGCGCGCGGCTGCCCGGAGCGGCGACGGG
 AGCAGCTCGGGCAGTGGGGGGCGCGGGCGGCGCGAGCCTGGCCCGGAGAGCGCGCGCCGACCGT
 CCGCTTCGAGCGCGCGCGAGTTCCTGCGGCGCTGTGCGGGCGGCGACCTGGACGAGGCGCGTCTGATG
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 GCTTCGCTGAGAGGCCAGCCCTCCTGGAAGTGGAGAGATTCGAGCGCAGGGCCCTGGAACGCAAGGCCG
 AGAGCTGGAGGAGGAGCTGAAGGCCCTGTCTGACCTCCGCGCTGACAACCAGCGCCTCAAGGATGAGAA
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ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

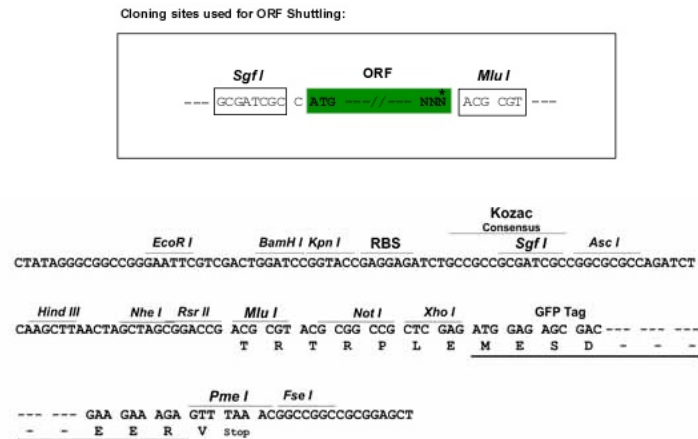
Protein Sequence: >RG224096 representing NM_017607
 Red=Cloning site Green=Tags(s)

MSGEDGPAAGPGAAAAAARRRERQLRQWGARAGAEPGPGERRARTVRFERAAEF AACAGGDLDEARLM
 LRAADPGPGAELDPAAPPPARAVLDSTNADGISALHQACIDENLEVVRFLVEQGATVNQADNEGWTPLHV
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 EHGGGMDSLTHAGQRPCDLADEEVL SLL EELARKQEDLRNQKEASQSRGQEPQAPSSSKHRRSSVCRLSS
 REKISLQDL SKERRPGGAGGPPIQDEDEGEEGPTEPPPAEPRTLNGVSSPPHPSPKSPVQLEEAPFSRRF
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 QGVTLTDLKEAEKAAGKAPESEKPAQSLDPSRRPRVPGVENS DSPAQRAEAPDGQGPQAAREHRKV GK
 EWRGPAEGEEAEPADRSQESSTLEGGPSARRQRWQDLNPEPEPESEEPDGGFRTL YAE LRRENERLREA
 LTETTLRLAQLKVELERATQRQERFAERPALLELERFERRALERKAAEEELKALSDLRADNQRLK DEN
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TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:

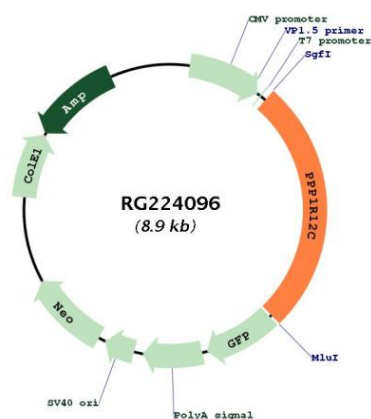


ACCN: NM_017607

ORF Size: 2346 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_017607.4
RefSeq Size:	2942 bp
RefSeq ORF:	2349 bp
Locus ID:	54776
UniProt ID:	Q9BZL4
Cytogenetics:	19q13.42
Protein Families:	Druggable Genome
Gene Summary:	The gene encodes a subunit of myosin phosphatase. The encoded protein regulates the catalytic activity of protein phosphatase 1 delta and assembly of the actin cytoskeleton. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2012]

Product images:



Circular map for RG224096