

Product datasheet for **RG234874**

PPP1R12C (NM_001271618) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R12C (NM_001271618) 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:**

>RG234874 representing NM_001271618
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGGGAGAGGATGGCCCGCGGCTGGCCCGGGGGCGCGCGCGCGGCTGCCCGGAGCGGCGACGGG
 AGCAGCTCGGGCAGTGGGGGGCGCGGGCGCGCGAGCCTGGCCCGGAGAGCGCCGCGCCGACCGT
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 GGAGGAGGAGCTGAAGGCCCTGTCTGACCTCCGCGCTGACAACCAGCGCCTCAAGGATGAGAATGCAGCG
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ACGCGTACGCGGCGGCTCGAG – GFP Tag – GTTTAA

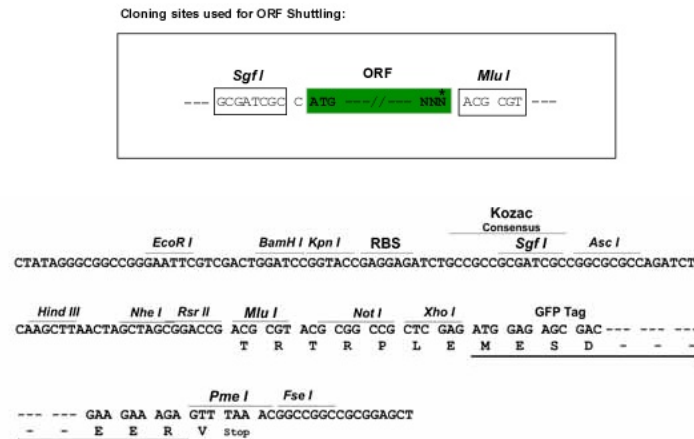
Protein Sequence: >RG234874 representing NM_001271618
Red=Cloning site Green=Tags(s)

MSGEDGPAAGPGAAAAAARRRREQLRQWGARAGAEPGPGERRARTVRFERAAEFLAACAGGDLDEARLM
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 EHGGGMSLTHAGQRPCLADEEVLSLLEELARKQEDLRNQKEASQSRGQEPQAPSSSKHRRSSVCRLSS
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 LLKTGSSGALGPPERRTAEGAPGAGLQRSASSSWLEGTSTQAKELRLARITPTSPKLPESVLEVTKP
 PPCLENSPPSRIPEPESPAKPNVPTASTAPPADSRDRRSYQMPVRDEESESQRKARSRLMRQSRSTQ
 GVTLTDLKEAEGAAGKAPSEKPAQSLDPSRRPRVPGVENSDDPAQREAPDGQGPQAAREHRKVGKEW
 RGAPEGEEAEPADRSQESSTLEGGPSARRQRWQDLNPEPEPESEEPDGGFRTL YAE LRRENERLREALT
 ETTLRLAQLKVELERATQRQERFAERPALLELERFERRALERKAAEEELKALSDLRADNQRLKDENAAL
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TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001271618

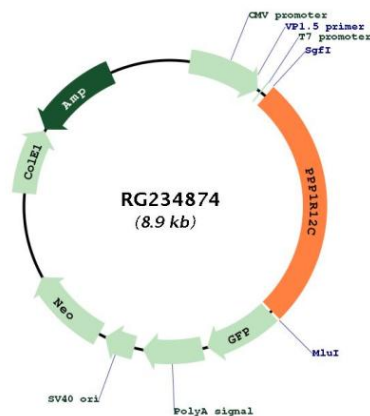
ORF Size: 2340 bp

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:	<u>NM_001271618.2</u>
RefSeq Size:	2959 bp
RefSeq ORF:	2343 bp
Locus ID:	54776
UniProt ID:	<u>Q9BZL4</u>
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 RG234874