

## Product datasheet for **RG209763**

### PP4R4 (PPP4R4) (NM\_058237) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PP4R4 (PPP4R4) (NM_058237) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PP4R4
Synonyms:	CFAP14; KIAA1622; PP4R4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RG209763 representing NM\_058237  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGCATCCGCCGCCGCCGCCGCCGCGATGGATTTCAAGTCAAGACAGCCTGTTCCGGTTACATGGAGGACC  
 TGCAGGAGCTCACCATCATCGAGAGGCCGGTCCGCCGGAGCCTCAAGACACCGGAAGAAATAGAAAGATT  
 GACAGTCGATGAAGACCTCAGTGATATTGAAAGGGCTGTTTATCTGCTCAGTGCTGGTCAAGATGTCCAA  
 GGAACAAGTGTGATTGCAAACTCCCATTTTTGATGCGACAGAATCCCACTGAGACGCTTCGGAGAGTGT  
 TGCCAAAAGTCAGAGAAGCCCTGCATGTTGCAGGAGTGGAAATGCAGTTAACGGCTGCGATGTCATTTCT  
 GACCATTTGCGAGGACGAATCAGTGTCAATTCATGCATATACCCACTCATTCTCCAAGTCATTCTCCTG  
 CATCTGGAGCACAGGGACACAGGTGTGCAATGCATGGCTGGAACTCTTCTGTCTGTTATAGAAGTAT  
 TGCCAAAAGAAACCTACGGCATGAGATTTTGAATCCACTTGTTTCCAAGGCACAACCTTCCCAAACAGT  
 CCAGTCTCGTTTAGTTAGTTGTAATAATTTAGGAAAATTGACCAACAAATTTGATGCCACACCATTAAG  
 CGAGAAATACTTCTCTGGTAAAATCACTCTGTCAAGATGTAGAATATGAAGTTCGATCTTGTATGTGTC  
 GGCAATTAGAAAATATAGCCCAGGGCATTGGGACAGAACTTACAAAAAGTGGTGTCCCTGAATTAAT  
 AGAACTTTCTAGGGATGAAGGCAGCAGTGTACGACTTGCAGCTTTTGAAGCTTTGGTTAATCTGCTTGT  
 ATATTTGATACAGATGACAGAAGTCAAATACTTCCCTTAGTGAAATCATTGTTGAAAAATCTTTCA  
 AAGCAGATGAATCAATCTTATTTCTTTATCTTCCATTTAGGAAAATATGTCATGGACTATATGGAA  
 TTTCACTCCAGATCAGCACTTGAGATTTTGGAAATTTATAAGAACTTTGTACATTGGGTTTGAACAA  
 GAAAATGGACACAATGAAAACAGATTCACCCCAATCCTAGAGCAGGAGAAGAAATATATTTCACTAC  
 GGAAGAACTGTGCTTATAAATTTCCGGCCATGATTGTTTTGTTGATCTAAAACTTCCCATGGAAT  
 CTATTCTACATTTCTGCTTTGCCATGACCCTGAAGTACCAGTCAGATACACTATTGCTATTTGCTTT  
 TATGAAGTATCTAAGCTTCTGAATTTCTGGAGTATATTTAATACATAAAGAACTAATAACATTATTACAAG  
 ATGAATCACTGGAGGTAAGTACTAGATGCTCTTATAGATCATCTTCCAGAAATCTTGGAACTTATGCTACTGG  
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 GAACAGCGAGCTGCAGCCTCTTTAAAATGGGAACTCATGAGAAGCTACTTCCAGAAATATGCCTGCCTGC  
 CACATGTCATATCAAGCGATCAGATTTATTACCGTTTCTTACAAAGAATGTTCAATCATGATGACAAA  
 TAATGTTTTACCTGTCCAAAAGCGGCTTACGAACCTATGCATTTTTCTGCGTTATAATCGTAAACAA  
 GAACAGAGACATGAGGTCATTCAAAAATTAATTGAACAATTGGGCAAGGAAAAAGTTACTGGAATAGAC  
 TTCGATTTTTGGATACCTGTGAATTTATTATAGAGATTTTTCAAAATCATTTTTCTGTAATATTTCTT  
 TCTACCTGCTATTGAACTGACACATGATCCAGTAGCAAATGTGAGAATGAACTTTGCTACCTGTTGCC  
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 AACTCCTGTGTCAAGAAAAGATAAAGATGTTCTGGCTATTGTAAAAAGAAGTATTAGAGTTGGACAG  
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 CCCCATTTCTGTTCTGGACCCTCTTCTGTCAACCCATCGACAAGTAAAGAAATCAAGAAATCCAACTG  
 ATTCGAAGCCAGTCTTTAATAATCAAGCTTTTTCATGCAAAATATGGCAACTTAGAGAAAATGTGCTAGTA  
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 TGATTCATTCGGACTCGTAATGCCAGTAGCGTTCCATCTTCTTTTCTCCTAATACTCCCTTACCGAGT  
 ACTTCCCGTGGGACAGGTAACACTCAGTTGACCCCAAGAGCAGTGGAAAGTAAAGATACACAACCACGGAAGG  
 CTACCTTAAAATCCAGAAAATCCAATCT

**ACGCGT**ACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG209763 representing NM\_058237  
 Red=Cloning site Green=Tags(s)

MHPPPPAAAMDFSQNSLFGYMEDLQELTIIERPVRRLKTPPEIERLTVDEDLSDIERAVYLLSAGQDVQ  
 GTSVIANLPFLMRQNPTETLRRVLPKVREALHVAGVEMQLTAAMSFLTILQDESVSIHAYTHSFLQVILL  
 HLEHRDTGVSNAWLETLLSVIEVLPKETLRHEILNPLVSKAQLSQTQVQSRLVSKILGKLTNKFDAHTIK  
 REILPLVKSLCQDVEYEVSRSCMCRLLENIAQGGIGTELTKSVVLPPELIELSRDEGSSVRLAAFETLVNLLD  
 IFDTRDQILPLVKSFCESFKADESILISLFSHLGKLGKLYGIFTPDQHLRFLEFYKLLCTLGLQQ  
 ENGHNENQIPPQILEQEKKYISVRKNCAYNFPAMIVFVDPKNFHMELYSTFFCLCHDPEVPVRYTIAICF  
 YEVSLLLNSGVYLIHKELITLLQDESLEVLDAIDHLPEILELMSTGGESSVQENKLSLPLDIPALTA  
 EQRAAASLKWRTHEKLLQKYACLPHVISSDQIYYRFLQRMFTIMMTNNVLPVQKAASRTLCIFLRYNRKQ  
 EQRHEVIQKLEIQLGQKSYWNRLRFLDTCEFIIEIFSKSFFCKYFFLPAIELTHDPVANVRMKLYLLP  
 KVKSTLIPADKHLQQLEMCVRKLLCQEKDKDLAIVKRTVLELDRMEMSMDAFQKKFYEKDLLDQEKE  
 REELLLLEMEQLEKEKQNDGRPM SDKMF EKRRD TKPTQSLPKNIPISVPGPSSVTPST SKEIKKSKL  
 IRSQSFNNQAFHAKYGNLEKCSKSSTTGYTTSVSGLGKTSVLSLADDSFRTRNASSVPSSPNTPLPS  
 TSRGTGNSVDPKSSGSKDTQPRKATLKSRSKSNP

TRTRPLE - GFP Tag - V

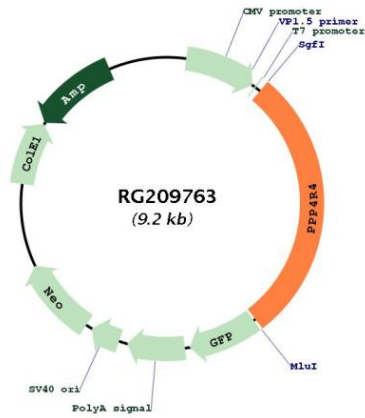
Restriction Sites: SgfI-MluI

Cloning Scheme:



<b>ACCN:</b>	NM_058237
<b>ORF Size:</b>	2619 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_058237.2</a>
<b>RefSeq Size:</b>	3868 bp
<b>RefSeq ORF:</b>	2622 bp
<b>Locus ID:</b>	57718
<b>UniProt ID:</b>	<a href="#">Q6NUP7</a>
<b>Cytogenetics:</b>	14q32.12-q32.13
<b>Domains:</b>	HEAT
<b>Protein Families:</b>	Phosphatase
<b>Gene Summary:</b>	The protein encoded by this gene is a HEAT-like repeat-containing protein. The HEAT repeat is a tandemly repeated, 37-47 amino acid long module occurring in a number of cytoplasmic proteins. Arrays of HEAT repeats form a rod-like helical structure and appear to function as protein-protein interaction surfaces. The repeat-containing region of this protein has some similarity to the constant regulatory domain of the protein phosphatase 2A PR65/A subunit. The encoded protein binds protein serine/threonine phosphatase 4c in the cytoplasm. [provided by RefSeq, Jan 2017]

Product images:



Circular map for RG209763