

Product datasheet for **RG221507**

PPP1R10 (NM_002714) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R10 (NM_002714) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP1R10
Synonyms:	CAT53; FB19; p99; PNUTS; PP1R10; R111
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG221507 representing NM_002714
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

ATGGGTTCCGGTCCCATAGACCCAAAGAACTTCTCAAGGCCTGGACAGCTTCTTAACCGAGATGGGG
 AAGTCAAAGTGTGGATGGGATTTCCAAGATCTTCAGTTTGTGAAGGAAGCACGAAAGATGGTGAGTCCG
 ATGCACCTACTTGAACATTCTCCTGCAGACCCGTTACCAGAAATATTGGTCAAATTTATTGACGTTGGC
 GGCTACAAACTTCTTAACAATTGGCTGACGTATTCAAAGACAACCAACAACATCCCTCCTCCAGCAAA
 TTCTACTGACCTGCAGCATCTACCGCTCACTGTAGACCATCTCAAGCAGAACAACACAGCTAAACTGGT
 GAAGCAGCTGAGCAAGTCAAGTGAGGATGAAGAGCTCCGAAATTGGCCTCAGTCCTTGTGACGACTGG
 ATGGCTGCATCCGCTCTCAGAGCAGTACCCAGCCTGCTGAGAAAGATAAGAAGAAACGTAAGATGAAG
 GAAAAAGTCGAACTACCTTCTGAGCGACCTTTGACAGAGGTGAAGGCTGAGACCCGGGCTGAGGAGGC
 CCCAGAGAAGAAGAGGGAGAAGCCAAGTCTTTCGCACCACAGCACCCAGTCATGCCAAGTTCCGTTCC
 ACTGGACTAGAGCTGGAGACACCATCCTTGGTGCCTGTGAAGAAGAATGCCAGCAGAGTGGTGGTTTCTG
 ACAAGTACAACCTTAAACCCATCCCTCAAACGTCAGAGCAACGCTAGCTGCTCCAGGAGATGCCACTCC
 CCCTGCAGAGAAGAAATACAAGCCACTCAACACAACACCTAATGCCACCAAGAGATCAAAGTGAAGATC
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 AAGTGTGACATGGCCTGAGGAAGGCAAACTGAGAGAATATTTCTATTTTGAATTGGATGAAACTGAACGA
 GTAATGTGAATAAGATCAAGGACTTTGGTGGAGCGGCTAAGCGAGAGATACTGTGACAGCCGACATGCAT
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 AAGGGAATCCTTCAGGAGCTTCTCTGAACAAGGAGAGTCTCATGAGCCTGATCCTGAGCCCTACGAGC
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 GGAACCTGGGGGTGAGGTGGCTCACCTGATGGGGCAGGAGGCTCCAAGTTGCCTCCAGTCTGGCCAAT
 CTTATGGGAAGCATGGGTGCTGGAAGGGCCCCAAGGCCCTGGAGGAGGAGGCATTAATGTCCAAGAGA
 TCCTCACCTCCATCATGGGTAGCCAAACAGTCATCCTTCAGAGGAACTACTGAAACAACAGACTATTC
 GGACAAGATCAAGCAGATGCTGGTGCCACATGGACTCCTAGGCCCTGGCCAATAGCCAATGGTTTCCCA
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 GAAGGCCCTGGCGGTGGCATGGGAAGTGGGCATCGCCCCATGAAGGCCCTGGTGGTAGCATGGGTGGGG
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 AGGCCCTGGCGGAGGAATGGGTGCCGTGGTGGACATCGCCCCACGAAGGCCCTGGCGGAAGCATGGGT
 GGAAGTGGTGGACATCGTCCCCATGAAGGCCCTGGACACGGGGGGCCCATGGCCACCGCCTCATGATG
 TCCCTGGTACCGAGGCCATGACCATCGAGGGCCGCCACCTCATGAGCACCGTGGCCATGATGGTCTGG
 CCACGGGGGAGGGGGCCACCGAGGGCACGATGGAGGCCACAGCCATGGAGGAGACATGTCAAACCGCCT
 GTCTGCCGACATTCATGATGAAGGGCAACTGCCGCTATGAGAACAACGTGCTTCTACCACCCGGGTG
 TCAATGGGCCCCCTGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG221507 representing NM_002714
 Red=Cloning site Green=Tags(s)

MGSGPIDPKELLKGLDSFLNRDGEVKSVDGISKIFSLMKEARKMVSRCYLNILLQTRSPEILVKFIDVG
 GYKLLNNWLTYSKTTNNIPLLQIILLTLQHLPLVDHLKQNNATAKLVKQLSKSSEDEELRKLASVLVSDW
 MAVIRSQSSTQPAEKDKKKRDEGKSRTTLPERPLTEVKAETRAEEAPEKKREKPKSLRRTAPSHAKFRS
 TGLELETPSLVPVKKNASTVVVSDKYNLKPIPLKRQSNVAAPGDATPPAEKKYKPLNTTPNATKEIKVKI
 IPPQPMGLGFLDALNSAPVPGIKIKKKKVLSPATAAKPSPFEGKTSTEPSTAKPSSPEPAPPSEAMDAD
 RPGTPVPVPEVPELMDTASLEPGALDAKPVESPGDPNQLTRKGRKRKSVTWPEEGKLRIFYFELDETER
 VNVNLIKDFGEAAKREILSDRHAFETARRLSHDNMEEKVPWVCPRLVLPSPVTPGSNSQERYIQAERE
 KGILQELFLNKESPHEDPEPEYPIPKLIPLDEECMDETPYVETLEPGSGSGSPDGAGGSKLPPVLAN
 LMGSMGAGKGPQGGGGINVQEILT SIMGSPNSHPSEELLKQPDYSDKIKQMLVPHGLLGPGPIANGFP
 PGGPGGPKGMQHFPPGGGPMGPHGGPGGPGVGRLLGPPPPRGGDPFDWGPDPMRGGPMRGGPGGP
 GPYHRGRGGGGNEPPPPPPFRGARGGRSGGGPPNGRGGPGGGMVGGGHRPHEGPGGGMNSSGHRPH
 EGPGGMGSGHRPHEGPGGSMGGGGHRPHEGPGGGI SGGSGHRPHEGPGGGMGAGGGHRPHEGPGGSMG
 GSGGHRPHEGPGHGGPHGHRPHDVPGHRGHDHRGPPHEHRGHDGPGHGGGHRGHDGGHSHGGDMSNRP
 VCRHFMMKGNCRYENNAFYHPGVNGPPLP

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:

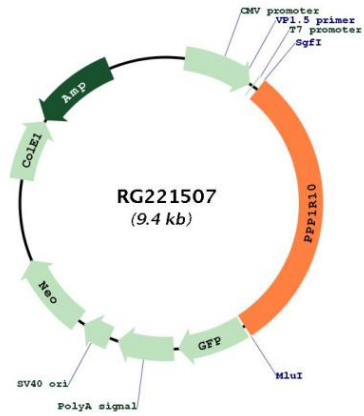


ACCN: NM_002714

ORF Size: 2820 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:	<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_002714.4
RefSeq Size:	4540 bp
RefSeq ORF:	2823 bp
Locus ID:	5514
UniProt ID:	Q96QC0
Cytogenetics:	6p21.33
Domains:	zf-CCCH, TFS2N
Protein Families:	Druggable Genome, Phosphatase, Transcription Factors
Gene Summary:	This gene encodes a protein phosphatase 1 binding protein. The encoded protein plays a role in many cellular processes including cell cycle progression, DNA repair and apoptosis by regulating the activity of protein phosphatase 1. This gene lies within the major histocompatibility complex class I region on chromosome 6, and alternatively spliced transcript variants have been observed for this gene. [provided by RefSeq, Jul 2012]

Product images:



Circular map for RG221507