

Product datasheet for **SC120249**

PP4R4 (PPP4R4) (NM_058237) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PP4R4 (PPP4R4) (NM_058237) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP4R4
Synonyms:	CFAP14; KIAA1622; PP4R4
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None



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Fully Sequenced ORF: >NCBI ORF sequence for NM_058237, the custom clone sequence may differ by one or more nucleotides

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ATGCATCCGCCGCCGCCGCCGCCGATGGATTTTCAGTCAGAACAGCCTGTTCCGGTTACATGGAGGACC
TGCAGGAGCTCACCATCATCGAGAGGCCGGTCCGCCGGAGCCTCAAGACACCGGAAGAAATAGAAGATT
GACAGTCGATGAAGACCTCAGTGATATTGAAAGGGCTGTTTATCTGCTCAGTGCTGGTCAAGATGTCCAA
GGAAACAAGTGTGATTGCAAATCTCCATTTTTGATGCGACAGAATCCCACTGAGACGCTTCGGAGAGTGT
TGCCAAAAGTCAGAGAAGCCCTGCATGTTGCAAGGAGTGAAATGCAGTTAACGGGTGCGATGTCATTCTC
GACCATTCTGCAGGACGAATCAGTGTCAATTCATGCATATACCCACTCATTCTCCAAGTCATTCTCCTG
CATCTGGAGCACAGGGACACAGGTGTCAGCAATGCATGGCTGGAACTCTTCTGTCTGTTATAGAAGTAT
TGCCAAAAGAAACCTACGGCATGAGATTTTGAATCCACTTGTTCGAAGGCACAACCTTCCCAAACAGT
CCAGTCTCGTTTAGTTAGTTGTAATAATTTAGGAAAATGACCAACAAATTTGATGCCACACCATTAAG
CGAGAAATACTTCTCTGGTAAAATCAGTCTGTCAAGATGTAGAATATGAAGTTCGATCTTGTATGTGC
GGCAATTAGAAAATATAGCCAGGGCATTGGGACAGAACTTACAAAAGTGGTGTCTCCCTGAATTAAT
AGAACTTTCTAGGGATGAAGGCAGCAGTGTACGACTTGCAGCTTTTGAACTTTGGTAAATCTGCTTGAT
ATATTTGATACAGATGACAGAAGTCAAACCTATACTTCCCTTAGTGAAATCATTTTGTGAAAAATCTTTCA
AAGCAGATGAATCAATCTTATTTCTTTATCTTTCCATTTAGGAAAATATGTCATGGACTATATGGAAT
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TAATGTTTTACCTGTCCAAAAGGCGGCTTACGAACTCTATGCATTTTTCTGCGTTATAATCGTAAACAA
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TCTACCTGCTATTGAACTGACACATGATCCAGTAGCAAATGTGAGAATGAACTTTGCTACCTGTTGCC
AAAGTGAATCTACTCTGAAGATTCCCTGCTGATAAGCATCTACTTCAGCAGTTAGAAATGTGTGTGAGGA
AACTCCTGTGTCAGAAAAGATAAAGATGTTCTGGCTATTGTAAGAAAGAACTGTATTAGAGTTGGACAG
AATGGAATGTCTATGGATGCTTTTCAGAAAAGTTTTATGAGAAAAGATTTGTTGGATCAAGAGAAAAGAA
AGAGAAGAACTACTTCTTTTGGAAATGGAACAATTAGAGAAGAAAAGCAACAGAATGATGGAAGGCCCA
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CCCCATTTCTGTTCTGGACCCTCTTCTGTCACCCCATCGACAAGTAAAGAAATCAAGAAATCCAAACTG
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AAAGTTCTACAACAGGATATACAACCTTCTGCTCAGGGTTAGGAAAGACTTCTGTGCTTTCACTAGCTGA
TGATTCATCCGGACTCGTAATGCCAGTAGCGTTCCATCTTCTTTTCTCCTAATACTCCCTTACCGAGT
ACTTCCCGTGGGACAGGTAAGTCAAGTGTACCCCAAGAGCAGTGGAAAGTAAAGATACACAACCACGGAAG
CTACCTTAAAATCCAGAAAATCCAATCCTTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_058237 unedited GTAATACGACTACTATAGGGCGGCCGGAATTCGGCACGAGGGCCAAGAGCCGGAGAAA GTCCTGCTGGTGGGCGGCCGCGGGGCTGAGGGCGTCCGGCATCCCAGGGCCGCTCCGGCC CGGGCGGCGAGAGTGCCCGGGTCCATGCATCCGCCGCCCGCCGCCCGCGATGGATT TCAGTCAGAACAGCCTGTTCCGTTACATGGAGGACCTGCAGGAGCTCACCATCATCGAGA GGCCCGTCCGCCGAGCCTCAAGACACCGAAGAAATAGAAAGATTGACAGTCGATGAAG ACCTCAGTGATATTGAAAGGGCTTTTATCTGCTCAGTGGTCAAGATGTCCAAGGAA CAAGTGTGATTGCAAATCTCCATTTTTGATGCGACAGAATCCCACTGAGACGCTTCGGA GAGTGTTCGCAAAAGTCAGAGAAGCCCTGCATGTTGCAGGAGTGAAATGCAGTTAACGG CTGCGATGCATTTCTGACCATTCTGCAGGACGAATCAGTGTCAATTCATGCATATACCC ACTCATTCTCCAAGTCATTCTCTGCATCTGGAGCACAGGGACACAGGTGTGAGCAATG CATGGCTGAAACTCTTCTGTCTGTTATAGAAGTATTGCCAAAAGAAACCTACGGCATG AGATTTTGAATCCACTTGTTCAGGCACAACCTCCANACAGTCCAGTCTCGTTTAGTT AGTTTGTAAAATTTAGGAANNATGACCAACANATTTGATGCCACACCATTTAGCGAGAA ATACTTCTCTGNTAAATCACTCTGNTCAGATGTAGAATATGAAGTTCGATCTTGTNAT GNNTGTCGCAATAAANATATAGCCAGGCATTGGGACAGAACTTACAAAAGTGTGGGGCT CCCTTGATTATAGACTTA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_058237 unedited CCATGGCGTGGAATTTCCAAGGCCAGGATGCTACTGGGNATGGTTCACAGGGCTGCC CCCGGTGATTGTTAGGAAACAGCTATGACCGCGCCGCAATCTAGAGTCGAGCCTTTTT TTTTTTTTTTTTCATTAACCTATGTTTTATTTGAGTAAATCTTATTTCATTATTTACAT TATAAAAAGTAACCACACATACATATGCTTTCACAATTTATATCATCTTTATCATACATC ATTATATTTTTAAAAACAATCTCTTCTAATATCAATATAGTTATATGCTGATTGCATTT TGAAATAGAGAAGCTGACAATAGCTTCACACGGTATATCTCAAGAACTGACAGTTTAAAA TTAAGAACTGTATATTTCCACAGGCAATTTTGTGAAATATAGCATTAGTACAAAT AAGTGTGTTGACATAGCTTAAGCATGATAGCTTGAATAACAGCTGATTCAGACTAGAT TCATCATTTTTAAATAAAGACAAGTACAATCTAAAATGTAACAAAGTATTTATAAAATAA ATTCTCTAGGAAATAAAGAAAATCATCACTCTATTATTTTTAAGTATTTATAGCTCAA GTTACCAGATATCTTTGTGGAATTTTCACTGCCAAATTTAAATTTGGGAATGTCCGGGTA CAACATATTGTCACCACAATCCGNAGCGCCCAAAATCGCAGACGGCTATTTGCATCCT TTCAGTGTGACTTTTCAAGTGGGCTTGGAGACTCATGAGAAAATGCAGTATCTTTTCTCA CCTTCCAAGTTCCCTCCAAGTCTTATCAAGCTAAGACAATTCAGCTGATGTAGACTT TCATACGATTTTTAATGCTAAAACCTCTANAACATTTAAATGGCTGGTTTTCTGCACAAA TAAATGCAGACTGTCTCTTTTGCAGCAGTGGTTAAGCCATT</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_058237
Insert Size:	3900 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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: [NM_058237.1](#), [NP_478144.1](#)

RefSeq Size: 3868 bp

RefSeq ORF: 2622 bp

Locus ID: 57718

UniProt ID: [Q6NUP7](#)

Cytogenetics: 14q32.12-q32.13

Domains: HEAT

Protein Families: Phosphatase

Gene Summary: 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]

Transcript Variant: This variant (1) encodes the longest isoform (1).