

Product datasheet for **SC128062**

PPP4R2 (NM_174907) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP4R2 (NM_174907) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP4R2
Synonyms:	PP4R2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene ORF sequence for NM_174907 edited
 ATGGACGTCGAGAGGCTCCAGGAGCGCTGAAAGATTTTGAGAAGAGGGGGAAAAAGGAA
 GTTTGTCTGCTGCTGGATCAGTTTCTTTGTCATGTAGCCAAGACTGGAGAAACAATGATT
 CAGTGGTCCCAATTTAAAGGCTATTTATTTTCAAAGTGGAGAAAGTGGATGATTTTC
 AGAACTTCAGCTCCTGAGCCAAGAGGTCCTCCCAACCCTAATGTGCAATATATTCCTTT
 GATGAAATGAAGGAAAGAATACTGAAAATTGTCACTGGATTTAATGGTATCCCTTTTACT
 ATTCAGCGACTATGTGAATTGTTAACAGATCCAAGGAGAACTATACAGGAACAGACAAA
 TTTCTCAGAGGAGTAGAAAAGAATGTGATGGTTGTAGCTGTGTTTATCCTTCTTCAGAG
 AAAACAATTCCAATAGTTTAAATCGAATGAATGGTGTATGTTTCTGGAAATTCACCA
 AGCTATACTGAGAGGTCTAATATAAATGGGCTGGGACACCCAGGCCACTTAATCGACCA
 AAGGTTTCTTTGTCAGCCCCATGACAACAATGGGTTGCCTGAGAGCACAGACAGCAAA
 GAGGCAAAATTTGAGCAAAATGAGGAGAAAAATCACAGTACTCTCGACCTCTGAATCA
 GAAGTTTCTCAGTGAGCCCTTTGAAAAATAAACATCCAGATGAAGATGCTGTGGAGCT
 GAGGGGCATGAGGTAAAAAGACTCAGGTTTGACAAAGAAGGTGAAGTCAGAGAAACAGCC
 AGTCAAACGACTTCCAGCGAAATTTCTTTCAGTTATGGTAGGAGAAACAGAAGCATCATCT
 TCATCTCAGGATAAAGACAAAGATAGCCGTTGTACCCGGCAGCACTGTACAGAAGAGGAT
 GAAGAAGAGGATGAAGAGGAAGAAGAAGAGTCTTTTATGACATCAAGAGAAATGATCCCA
 GAAAGAAAAATCAAGAAAAAGAATCTGATGATGCCTTAACTGTGAATGAAGAGACTTCT
 GAGGAAAATAATCAAATGGAGGAATCTGATGTGTCTCAAGCTGAGAAAGATTTGCTACAT
 TCTGAAGGTAGTGAAAACGAAGGCCCTGTAAGTAGTAGTTCTTCTGACTGCCGTGAAACA
 GAAGAATTAGTAGGATCCAATTCAGTAAAAGTGGAGAGATTCTTTCAGAATCATCCATG
 GAAAATGATGACGAAGCCACAGAAGTCACCGATGAACCAATGGAACAAGACTAA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_174907 unedited
 GGAGGCTGTGAGGGACTCCGGGAAGCCATGGACGTCGAGAGGCTCCAGGAGGCGCTGAAA
 GATTTTGAGAAGAGGGGGAAAAAGGAAGTTTGTCTGTCTGGATCAGTTTCTTTGTCAT
 GTAGCCAAGACTGGAGAAAACAATGATTCAGTGGTCCCAATTTAAAGGCTATTTTATTTTC
 AAAGTGGAGAAAGTGTGGATGATTTTCAGAACTTCAGCTCCTGAGCCAAGAGGTCCTCCC
 AACCTAATGTGCAATATATCCCTTTGATGAAATGAAGGAAAGAATACTGAAAATTGTC
 ACTGGATTTAATGGTATCCCTTTTACTATTTCAGCGACTATGTGAATTGTTAACAGATCCA
 AGGAGAAAATACAGGAACAGACAAATTTCTCAGAGGAGTAGAAAAGAATGTGATGGTT
 GTTAGCTGTGTTTATCCTTCTTCAGAGAAAAACAATTCCAATAGTTTAAATCGAATGAAT
 GGTGTTATGTTTCTGGAAATTCACCAAGCTATACTGAGAGGTCTAATATAAATGGGCT
 GGGACACCCAGGCCACTTAATCGACCAAAGGTTTCTTTGTGAGCCCATGACAACAAAT
 GGGTTGCCTGAGAGCACAGACAGCAAAGAGGCAAATTTGCAGCAAATGAGGAGAAAAAT
 CACAGTGACTCTCGACCTCTGAATCAGAAGTTTCTCAGTGAGCCCTTTGAAAATAAAC
 ATNCAATGAANATGCTGTGGAAGCTGANGGGCATGAGGTAAGAACTCAGGGTTGCCAAA
 AAGG

3' Read Nucleotide Sequence:

>OriGene 3' genomic read for NM_174907 unedited
 ATAGATCATTGGANGATGGCACTTCCCAGTGTCCAGNGAAAGGCACATGGAGGAAAGGGG
 CTACACAGTGGCATGCCACTCCGGGTATCTGTTGCAGAAAACAGCTATGACCGCGGCCG
 CAATCTATAGTCGAGTTTTTTTTNTTTTTTTTTTATTCTAATTTATATTTTATTGCATTA
 TAAAAATAATACATTTGGCAAAGTAATCTAGGCTCCAAGTTGAAATAAAAGAAAACTCTG
 AAGAGTGTACTGATTTTTAAAAATGTGAAATAGTAAGATGATTCTAACCAATACATACTA
 GCACTCTTATTAGCCAAAACCCAGCAAACCTAATTTTTATAATTCCATATGAAATTACA
 AGGTGTTTTGCATTCATTCATTTATGATTAGCACAAATCTTGAGAACTGACCCTCACCT
 TCATCAAAACCAATGTTAAATTCCTGTTTCAAGACAATTTGAAACACTACCGAAAATTT
 TTAATTCCTTTGGTTTTGTAAGTTGCATTTTCATTCTTACCATGTTACATTTTTTTTCATA
 ATCAAACATTGTAGCAGCTTTAGATTCTGCCAAGTACCTTTAAGTAACTAGTATATTA
 CATTTACATTTTAAAAAGTTGATTTTACAAATGCAAAAATGCATAAATACATGCCTAT
 CTACACCGGCAAAAACAAAATACTCTGAATCTCAATGCTTTAACAAGCCACACCTTCTGGC
 CGAGGATTTCTGGGATGCCTTTCCAGCCACAGGGCCTGGCTGGCAATTCCTACTACTCAA
 AACACACGTCTGAAAAGTGTANTTACAATAAACCCCTAAGCAGTTAANATTTATCTAATAA
 TCAACATTTTAAATATGACTTTTTCACTACTTCTGCTACATTTTTTCAGAACTGATAATAT
 ATTTTTCAA

Restriction Sites:

NotI-NotI

ACCN:

NM_174907

Insert Size:

4700 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_174907.1](#), [NP_777567.1](#)

RefSeq Size: 1497 bp

RefSeq ORF: 1254 bp

Locus ID: 151987

UniProt ID: [Q9NY27](#)

Cytogenetics: 3p13

Protein Families: Phosphatase

Gene Summary: The protein encoded by this gene is a regulatory subunit of the serine/threonine-protein phosphatase 4 complex. In addition to being required for efficient DNA double strand break repair, this complex plays a role in organization of microtubules at centrosomes and processing of spliceosomal snRNPs. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2015]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.