

Product datasheet for **SC128059**

PPP1R9B (NM_032595) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R9B (NM_032595) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R9B
Synonyms:	PPP1R6; PPP1R9; SPINO; Spn
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL6</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_032595, the custom clone sequence may differ by one or more nucleotides

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ATGATGAAGACGGAGCCACGGGGGCCCGGGGTCCCTCCGGAGCGCCTCCCCGCACCCGACGCGCTACG
AGGCGGGCATCCAGGCGCTGAAGCCGCCGACGCGCCGGGCCGACGAGGCACCAAGGGGGCCACCA
CAAGAAATATGGCTCCAACGTCCACCGCATCAAAAGTATGTTCTGCAGATGGGCACGACGGCGGGGCC
TCGGGCGAGGCGGGCGGGCGGGCCTGGCCGAGGCCACCGGGCTCCGAGCGGGCTGCGCCTGT
CGTGCCGCGGGCCAGCAGCCTGAACGAGAACGTGGACCACAGCGCCCTGCTGAAGCTGGCACCAGCGT
GTCGGAGCGCTGAGCCGCTTCACTCCAAGCCCGCGCCCTCCGCGCAGCCTGCGCCGCCCGCACCCG
CCGTCCCCTGTCAGGAGACGCGGAAGCTGTTCAACGGAGCGCCCGAGCGGCCGAGGCGGCGACAAGG
AGGCCGCGGGCGGGCGGTGCTGAGGCAGGAGCGCGCCGCTGCAGGACCGGAAGCTGGACGTCGTGGT
GCGCTTCAACGGCAGCACCGAGGCGCTGGACAAGCTGGACGCTGACGCGCTGCCCCACGGTCAGCCAG
CTCAGCGCGTCTTCGAGAAGGCCGACTCGAGGACCGCCCTCCACCGGGGCCGGGCTCCCCAGGGCCG
CAGGGGTTCCCCAGGTCAACTCGAAGCTGGTCAGCAAGCGGTCCCGGGTGTTCAGCCCCGCGCCGCC
GCCGCCGCCCTCGGGGGATGCCCGGCCGAGAAAGAGCGATGCCCGCAGGGCAGCAGCCCCCGCAG
CACCGAGTGGCCCTGCCCGGCCGCCCCCAAGCCCCGGGAGGTGCGCAAGATTAAAGCCGTGGAGTGG
AGGAGAGCGGGGAGTCCGAGGCCGAGTCCGGCGCCGGGGAGGTGATCCAGGCCGAGGTTACGGTCCACGC
GGCCCTGGAGAATGGCAGCACCGTGGCAACTGCAGCCAGCCCCGCGCCGAGGAGCCAAAGGCCAAAGCG
GCCCGGAGAAGGAGGCGGGCGGGTAGCGCCGACAGAGAGGGGGTGGCAATGGCCGGGGCCCGGACG
TGGCCCTGAGGAGGTAGATGAATCCAAGAAGGAGGACTTCTCGGAGCGGACTTGGTGGACGTGAGCGC
CTACAGTGGGCTCGGGGAGGACTCTGCGGCAGTGCCTGGAGGAGGACGACGAAGACGACGAGGAGGAT
GGGAGCCCCCTACGAGCCCCGAGTCCGGGTGCGTGGAGATCCCGGGCTGTCGGAGGAGGAGACCCAG
CCCGAGCCGGAAGATCCATTTACGACACGGCGCCCATCCAAGTGTTCAGCACTTACTCCAACGAGGATTA
CGATCGTCCGAACGAGGATGTGGATCCCATGGCAGCCTCTGCTGAGTACGAGCTGGAGAAGCGTGTGGAG
AGGTTGGAGCTGTTCCCTGTGGAGCTGGAGAAGGACTCCGAGGGCCTGGGCATCAGCATCATCGGCATGG
GCGCCGGGGCAGACATGGCCTGGAGAAGCTGGGTATCTTCGTAAGACCGTGACGGAGGGTGGTGGCGC
CCATCGGGATGGCAGGATCCAGGTGAATGATCTCCTGGTGGAGTGGATGGAACAAGTCTGGTGGGAGTG
ACCCAGAGCTTCGCGGCTCTGTGCTCCGGAACACCAAGGGCCGAGTGCGGTTTATGATTGGCCGGGAGC
GGCCGGGAGAGCAGAGCGAAGTGGCCAGCTAATTCAGCAGACTTGGAACAGGAGCGATGGCAGCGGGA
GATGATGGAGCAGAGATACGCCAGTATGGGGAGGATGACGAGGAGACGGGAGAGTATGCCACTGACGAG
GATGAGGAGCTGAGCCCCAGTTCCTCCGGTGGTGGAGATGGCCATCGAGGTGTTTGGAGTACGCGGAGAACG
AGGATGCACTGTCCCCTGTGGACATGGAGCCCGAGAAGCTGGTGCACAAGTTCAAGGAGCTCCAGATCAA
GCATGCGGTCACTGAGGCAGAGATCCAGCAGCTGAAAAGAAAGCTGCAGAGCCTGGAGCAGGAGAAGGGG
CGCTGGCGGGTGGAGAAGGCGCAGTTGGAGCAGAGTGTGGAGGAGAACAAGGAGCGCATGGAGAACTGG
AAGGCTACTGGGGTGGAGCCAGAGCCTGTGCCAGGCTGTGGACGAGCACCTGCGGGGAGACTCAGGCGCA
GTACCAGGCCCTGGAGCGCAAGTACAGCAAGGCCAAGCGCCTCATCAAGGACTACCAGCAGAAGGAGATC
GAGTTCCTGAAAAGGAGACTGCACAGCGTCCGGTCTGGAGGAGTCCGAGCTGGCCAGAAAGGAGGAGA
TGGACAAGCTCCTGGACAAGATCTCAGAAGTGGAAAGAACTTGAACACTGAGGAATTCGAATTTAC
TTAA
    
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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_032595 unedited
AGTACCCCGCCCGTTGNCGCAATGGGCGGTAGGCGTGTACGGTGGGAGGTCTATATAA
GCAGAGCTCATTTAGGTGACACTATAGAATACAAGCTACTTGTTCTTTTTGCAGCGGCCG
CGAATTCGGCACGAGGCGGAGCGGCCCGGGCCGGCGGAGCAGCCATGGGCGTTGGGGTGC
CGGGCCCCCGAGAGCCGAGGCCCTCCGGCCGACTGGGGGACGCCGGGTGCCAGCCCC
GCTGACACCGTCTCGGACGATGTGAGCCGGCGACACCCGGGTGCTTCGGGGCAGGGCG
CGCGCTCCACCGGCCCCAGACGCGCTTGTCTAATTTGGGTGGGGCGACCGTACCAGG
CCGCTCGGGCTTTTGAAGCGGGCTGGCTGTCTTCGGCAGCTTGATTGGGGGAGGCGACC
CACACACAGGGCCTTGAGATTTTTTTTTTTTTTCAATTTTTTTTTTAAAGCGGGATTAAC
TGTTTTTGGCAGCTTGGTTTTGGGGGACCCTAAAAAAGCCTTCGGGGTTTTTTTTTATC
GGGGGAGGGGGCCGGTGGTCCCGACTTGGCCAGCCGCCTGTTGAAGCGGNGGAGCGGGG
AGCAGGNGCATGCGAACC CGCTCCCCACCATGATGAAGACGGAGCCACGGGGGCCGG
GGGTTCCCTTCGGAGCGCTCCCGCACCGCAGCGTCTCGAAGCGGCCATCCAGGCG
CTGAAGCCCGCCGACCGCGCGGTCTCGACTAGGCACCAACGGGGCCACCACAGAAA
TATGTCTTCAAGTCCACGAATCAAAGCATGCTTCTGCACCCGCGCCTCCACGATGTCC
CCCCGGCCAAACCGCACCTTTCCCCCCCCCCCCATGATATTTCTCCCTTTCTCCT
TTCGTCTTTTTCTTTCCGTATCCCCGTTCCATTATCTTCTTCTTCCCCCCC
CTTTT
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3' Read Nucleotide Sequence:

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>OriGene 3' genomic read for NM_032595 unedited
AGATGGGTCTTTGCGGATGGACTTTCTCGCTGTCCGTGCACAGCACTGGCGAGGGTGC
ACAGCGGTGCATCCCTGGCTCTGTTTCAGGAAACAACCTGACCGCGGCCCCCTTTAAG
TCAAGTTACTTTGGATCATGTTTCGATGGTTTTGTGATTTGATGTTACTATTATTCTCT
CTTTTTGGTTGAGTGTATGACTATGGATACTGTAGAGTATGCCACTGACTATGATGATGA
GCTGAGCCCCACGTTCCCGGGTGGTGGATGGCCATCGAGGTGTTTGAGCTAGCGGAGAA
CGAGGATGCACTGTCCTGTGGACATGGAGCCCGAGAAGCTGGTGCACAAGTTCAAGGA
GCTCCAGATCAAGCATGCGGTCACTGAGGCAGAGATCCAGCAGCTGAAAAGAAAGCTGCA
TAGCCTGGAGCAGGAGAAGGGCGCTGGCGGTGGAGAAGGCGCAGTTGGAGCAGAGTGT
GGAGGAGAACAAGGAGCGCATGGAGAACTGGAAGGCTACTGGGTGAGGCCAGAGCCT
GTGCCAGGCTGTGGACGACACCTGCGGGAGACTCAGGCGCAGTACCTTGCCCTGAAGCG
CAAGTACAGCAAGGCCAAGCGCCTCATCAAGGACTACCAGCAGAAGGAGATCTAGTTCTT
GAGAAAAGGACTGCACAGCGTCNGGGTCTGGAGGAGTCGGAGCTGGCCAGANAGGAN
GAGATGGACAAGCTCCTGGACAAGATCTCAGAAGTGGGAGGAACTTGCAAACTGAGG
AATTCCAATTCTACTTAACAGGAATCATTCCATGACTGGACAATAATTAACCCCCCTCC
TTGTNCTCCCTCCCTGTCCCTCACAAACCCACCCTTCCCTTTCCGCTGGGAACAGGTG
CCCCGACTCCCCCAACCA
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Restriction Sites:

NotI-NotI

ACCN:

NM_032595

Insert Size:

3500 bp

OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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
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_032595.2 , NP_115984.2
RefSeq Size:	4065 bp
RefSeq ORF:	2448 bp
Locus ID:	84687
UniProt ID:	Q96SB3
Cytogenetics:	17q21.33
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	This gene encodes a scaffold protein that functions as a regulatory subunit of protein phosphatase 1a. Expression of this gene is particularly high in dendritic spines, suggesting that the encoded protein may play a role in receiving signals from the central nervous system. The encoded protein has putative tumor suppressor function and decreased expression has been observed in tumors. [provided by RefSeq, Feb 2014]