

Product datasheet for **SC122864**

PPP1R12C (NM_017607) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PPP1R12C (NM_017607) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP1R12C
Synonyms:	AAVS1; LENG3; MBS85; p84; p85
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_017607 edited
CAGGTACCTCCTGAGCCACGGGGCAACATCGCCGCCGTCAACAGTGACGGGGACCTGCC
CCTGGCCCCGGCGCCGAGCTCGACCCCGCCGCGCCGCGCCCGCCGCGCCGTGCTGGAC
TCCACCAACGCCGACGGCATCAGCGCCCTGCACCAGGCCGTGATTGATGAGAACCTGGAG
GTGGTGCCTTCTTGGTGGAGCAGGGCGCCACTGTGAACCAGGCAGACAACGAGGGCTGG
ACGCCACTGCACGTGGCCGCCTCCTGTGGCTACCTAGATATCGCCAGGTACCTCCTGAGC
ACGGGGCCAACATCGCCGCCGTCAACAGTGACGGGGACCTGCCCTGGACCTGGCCGAG
TCGGACGCCATGGAGGGGCTGCTGAAGGCGGAGATCGCCCGCCGAGGTGTGGATGTGGAG
GCAGCCAAGCGGGCAGAAGAGGAATTGCTCCTTCATGACACGAGGTGCTGGCTGAATGGG
GGCGCCATGCCAGAGGCCCGGCACCCCGCACAGGCGCCTCTGCCCTGCACGTGGCTGCT
GCCAAGGGCTACATTGAGGTGATGAGGTTGCTCGTTCAGGCTGGCTACGACCCAGAGCTC
CGGGACGGGGACGGCTGGACTCCCCTGCACGCAGCGGCACACTGGGGCGTGGAGGATGCC
TGCCGCCTGCTGGCCGAGCATGGCGGGGGCATGGACTCACTGACCCATGCGGGGCAGCGT
CCCTGTGACCTGGCCGATGAGGAAGTACTGAGCCTGTTGGAGAACTGGCCCGAAACAG
GAGGACCTTCGGAACAAAAGAAGCTTCCAGAGCCGGGGCCAGGAGCCCAAGCGCCC
TCTAGCAGCAAACACAGAAGGAGCTCTGTGTGCTGTGAGCAGTCGCGAGAAGATTTCC
CTCCAGGACTTGTCCAAGGAGCGCCGGCCTGGTGGGGCTGGGGGGCCCCCATCCAGGAC
GAGGATGAGGGGGAAGAAGTCCCACCGAACCCCTCGAGAACCCAGAACCTCAAT
GGCGTCTCCTCCCGCCGACCCAGCCCTAAGAGTCCCGTGCAGCTTGAAGAGGCCCC
TTCTCCAGGGCCTTTGGCCTCCTGAAGACAGGGAGTCTGGTGCCTGGGTCCCCCTGAA
AGGCGGACAGCGAGGGAGCCCCGGGGCTGGGCTGCAGCGCTCGGCTTCTCCTCCTGG
CTGGAAGGGACCTCCACTCAGGCCAAGGAGCTCCGTCTTGCCAGAATTACCCGACCCCC
TCCCGAAGCTGCCAGAGCCCTGTCTGTCTGAGGTACCAAGCCTCCTCCTTGGT
GAGAACTCCTCGCCTCCCTCCAGGATTCCGGAGCCTGAATCCCCAGCGAAGCCAAACGTC
CCACAGCCTCCACGGCGCCCCAGCGGACTCCCGGACCGACGAGGTCTACCAGATG
CCTGTGCGGGATGAGGAGTCGGAATCCCAGAGAAAAGCTCGTCCCGTCTCATGCGCCAG
TCTCGGAGGTCCACACAGGGTGTGACTTTACAGACCTGAAGGAGGCAGAGAAGGCTGCA
GGGAAGGCCCCAGAGTCAGAGAAGCCGGCGCAGAGCCTGGACCCTTCCCGAAGGCCCCGC
GTCCCTGGAGTGGAGAATCTGACAGCCCTGCCAGAGAGCAGAGGCGCCGACGGGCAG
GGTCCGGGACCGCAGGCGCCAGGGAGCACCGAAGTTCGAAAGGAGTGGAGGGGGCT
GCGGAGGGGGAGGAGGCGGAGCCGGCTGACCGCAGCCAGGAGTCCAGCACCTGGAGGGC
GGCCCTCGGCCCGCAGGCAGCGGTGGCAGCGGACCTCAACCCAGAACCTGAGCCAGAA
TCGGAAGAGCCAGACGGAGGCTTTAGGACGCTGTATGCAGAGCTGCGCAGGGAGAACGAG
CGGCTTCGCGAGGCCCTGACCGAGACCAGCTGCGGCTGGCGCAGCTCAAGGTGGAGCTG
GAGCGGGCCACGCAGAGGCAAGAACGCTTTCGCTGAGAGGCCAGCCCTCCTGGAACGGAG
AGATTCGAGCGCAGGGCCCTGGAACGCAAGGCCGAGAGCTGGAGGAGGAGTGAAGGCC
CTGTCTGACCTCCGCGCTGACAACAGCGCCTCAAGGATGAGAATGCAGCGTTGATCCGC
GTCATCAGCAAATCTCCAAGTGACCCGGAGGGACTTTCCCGACCCGTATTTATACAGC
TGCTTCTGCCACACGACCCCTTCCCGGTGTGAACACGAGTGACAGGGCTCCGGGGGAA
GTCTCAGAGAAGCCATAGCCCCCTGGGACCTCCGGACTGGGAGGGGAGCAGAGTCCCCA
GGAGCCGAGGGGGCCACCCGAGGCCAGGATGGAGGTGGGAGGCCGAGCCAAGCAGGGGGA
CGTTGCCAGAGGGGACCAGGGCCAGAGACGGGACCAGGAAGGAACTGAGGACCAAGAAGT
GCAAGGATCAGTAGCCAGGACCAGAGTGGCCGCCTGGAGGTCCCCATCTCACGTGTGATG
CCACCCCGTACCCCTCCCTCCTGAGCAGGGATCCAAGAATGTGCCAAGAGTCCCGCCA
GCCTCAGCCAGGTGGCCTGTATATAGGGTCCATGTGCAATAGGGAGGGACGTCTTCTAT
TTTTTGTGCCCTCCCGCCACTGTTTGGGGCAGGGGGAGAAGGTATTTTCGAGATA
AAGCACAGGCACCACAAATAAAAGTCGTGAAGTTGCCACTCAAAAAAAAAAAAAAAAAAAA
AAAAAAAAAAAAA
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017607 unedited GGCGGTTCCGATTTGTATACGACTCATATAGGGCGGCCGCGATTCCCAGGATATCGTCTGA CCCACGCGTCCGCAGGTACCTCCTGAGCCACGGGGCCAACATCGCCGCCGTCAACAGTGA CGGGGACTGCCCTGGCCCCGGCGCCGAGCTCGACCCCGCCGCGCCGCCGCCGCCCGC GCCGTGCTGGACTCCACCAACGCCGACGGCATCAGCGCCTGCACCAGGCCTGCATTGAT GAGAACCTGGAGGTGGTGCCTTCTTGGTGGAGCAGGGCGCCACTGTGAACCAGGCAGAC AACGAGGGCTGGACGCCACTGCACGTGGCCGCTCCTGTGGCTACCTAGATATCGCCAGG TACCTCCTGAGCCACGGGGCCAACATCGCCGCCGTCAACAGTGACGGGGACTGCCCTG GACCTGGCCGAGTCGGACGCCATGGAGGGCTGCTGAAGCGGAGATCGCCCGCCGAGGT GTGGATGTGGAGGCAGCCAAGCGGGCAGAAGAGGAATTGCTCCTTCATGACACGAGGTGC TGGCTGAATGGGGGCGCCATGCCAGAGGCCCGGCACCCCGCACAGGCGCCTCTGCCCTG CACGTGGCTGCTGCCAAGGGCTACATTGAGGTGATGAGGTTGCTCCTTCAGGCTGGCTAC GACCCAGAGCTCCGGGACGGGGACGGCTGGACTCCCCTGCACGCAGCGGCACACTGGGGC GTGGAGGATGCCTGCCGCTGCTGGCCGAGCATGGCGGGGCATGGACTACTGACCCAT GCGGGGACAGCTCCTGTGACCTGGCCGATGAGGAAATACTGAGCCTGTTGGAGGAACTG GCCCNNAACAGGAAGACCTTCAACCAAAAAGAGCTTCCAGAGCCGGGCCAGAG
Restriction Sites:	Please inquire
ACCN:	NM_017607
Insert Size:	2773 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_017607.1 , NP_060077.1
RefSeq Size:	2944 bp

RefSeq ORF: 2349 bp

Locus ID: 54776

UniProt ID: [Q9BZL4](#)

Cytogenetics: 19q13.42

Protein Families: Druggable Genome

Gene Summary: The gene encodes a subunit of myosin phosphatase. The encoded protein regulates the catalytic activity of protein phosphatase 1 delta and assembly of the actin cytoskeleton. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Oct 2012]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (a).