

Product datasheet for **SC319906**

PP1C gamma (PPP1CC) (NM_002710) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PP1C gamma (PPP1CC) (NM_002710) Human Untagged Clone
Tag:	Tag Free
Symbol:	PP1C gamma
Synonyms:	PP-1G; PP1C; PPP1G
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002710.1
 GAGAGAAGGAGGAAGTAGGGAGCGGGTGGCAGGGGGGGACCCGCCGGCTGCTGCCA
 CCGCCGCCACCACCGCTCTGCTCGTGGCGTGGGAAAGGAGGTGTGAGTCCCGGGCGGA
 GCCGGCGCGGCCGCTGCGGGAGGGTCGGCGGTGGGAAGGCGATGGCGGATTTAGATA
 AACTCAACATCGACAGCATTATCCAACGGCTGCTGGAAGTGAGAGGGTCCAAGCCTGGTA
 AGAATGTCCAGCTTCAGGAGAATGAAATCAGAGGACTGTGCTTAAAGTCTCGTGAATCT
 TTCTCAGTCAGCCTATCCTACTAGAACTGAAGCACCCTCAAAATATGTGGTGACATCC
 ATGGACAATACTATGATTTGCTGCGACTTTTTGAGTACGGTGGTTCCACCAGAAAGCA
 ACTACCTGTTTCTGGGGACTATGTGGACAGGGAAAGCAGTCATTGGAGACGATCTGCC
 TCTTACTGGCCTACAAAATAAAATATCCTGAGAATTTTTTTCTTCTCAGAGGGAACCATG
 AATGTGCCAGCATCAACAGAATTTATGGATTTTATGATGAATGTAAAAGAAGATACAACA
 TAAACTATGGAAAACCTTTCACAGACTGTTTTAACTGTTTACCGATAGCAGCCATCGTGG
 ATGAGAAGATATTCTGCTGTCATGGAGGTTTATCACCAGATCTTCAATCTATGGAGCAGA
 TTCGGCGAATTATGCGACCAACTGATGTACCAGATCAAGGTCTTCTTTGTGATCTTTTGT
 GGTCTGACCCCGATAAAGATGTCTTAGGCTGGGGTAAAAATGACAGAGGAGTGCCTTCA
 CATTTGGTGCAGAAGTGGTTGCAAAATTTCTCCATAAGCATGATTTGGATCTTATATGTA
 GAGCCCATCAGGTGGTTGAAGATGGATATGAATTTTTTGCAAAGAGGCAGTTGGTCACTC
 TGTTTTCTGCGCCAATTATTGCGGAGAGTTTGACAATGCAGGTGCCATGATGAGTGTGG
 ATGAAACACTAATGTGTTCTTTTTCAGATTTTAAAGCCTGCAGAGAAAAAGAAAGCCAAATG
 CCACGAGACCTGTAACGCCTCCAAGGGGTATGATCACAAAGCAAGCAAAGAAATAGATGT
 CGTTTTGACACTGCCTAGTCGTGACTTGTAAACATAGAGTATATAACCTTCATTTTTAAGA
 CTGTAATGTGACTGGTCAGCTTGCTCAGATAGATCTGTGTTTGTGGGGCCCTTCTTCTC
 CATTTTTGATTTAGTGAATGGCATTGCTGGTTATAACAGCAAATGAAAGACTCTTCACT
 CCAAAAAGAAAAGTGTGTTTTGTTTTTAATTCTCTGTTCTTTTGCAAACAATTTAATGA
 TGGTGTTAAAGCTGTACACCCAGGACAGTTTATCCTGTCTGAGGAGTAAGTGTACAATT
 GATCTTTTTAATTCAGTACAACCATAATCATGTAATGCTCATTTTCTTTAGGACATA
 AAGAGAGCCCTAGGGTGTCTGAATCTGTACATGTTCTTGTGCATAAAATGCATACTGTTG
 ATACAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002710

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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_002710.1 , NP_002701.1
RefSeq Size:	2263 bp
RefSeq ORF:	972 bp
Locus ID:	5501
UniProt ID:	P36873
Cytogenetics:	12q24.11
Domains:	Metallophos, PP2Ac
Protein Families:	Druggable Genome, Phosphatase
Protein Pathways:	Focal adhesion, Insulin signaling pathway, Long-term potentiation, Oocyte meiosis, Regulation of actin cytoskeleton, Vascular smooth muscle contraction
Gene Summary:	<p>The protein encoded by this gene belongs to the protein phosphatase family, PP1 subfamily. PP1 is an ubiquitous serine/threonine phosphatase that regulates many cellular processes, including cell division. It is expressed in mammalian cells as three closely related isoforms, alpha, beta/delta and gamma, which have distinct localization patterns. This gene encodes the gamma isozyme. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]</p> <p>Transcript Variant: This variant (1) represents the predominant transcript, and encodes isoform 1.</p>