

Product datasheet for **SC330239**

PP1C gamma (PPP1CC) (NM_001244974) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: PP1C gamma (PPP1CC) (NM_001244974) Human Untagged Clone
Tag: Tag Free
Symbol: PPP1CC
Synonyms: PP-1G; PP1C; PPP1G
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330239 representing NM_001244974.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

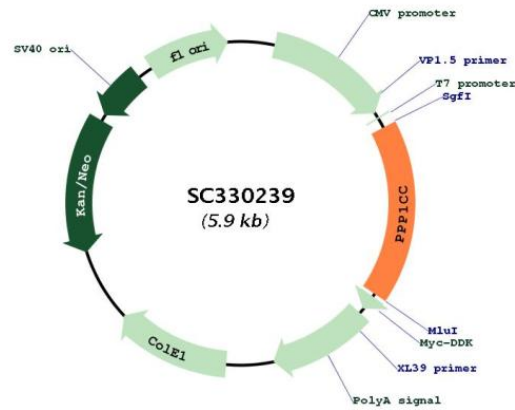
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CTCAGTCAGCCTATCCTACTAGAACTTGAAGCACCCTCAAAATATGTGGTGACATCCATGGACAATAC
TATGATTTGCTGCGACTTTTTGAGTACGGTGGTTCCACCAGAAAGCAACTACCTGTTTCTTGGGGAC
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GAGAATTTTTTTCTTCTCAGAGGGAACCATGAATGTGCCAGCATCAACAGAATTTATGGATTTTATGAT
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GCAGCCATCGTGGATGAGAAGATATTCTGCTGTCATGGAGGTTTATCACCAGATCTTCAATCTATGGAG
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GACAATGCAGGTGCCATGATGAGTGTGGATGAAACACTAATGTGTTCTTTTTCAGATTTTAAAGCCTGCA
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ATTCAGAAAAGCTTCAAATTATAGAAACAATACTGTTCTATACGAGTGA
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:



ACCN: NM_001244974

Insert Size: 1014 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_001244974.1](https://www.ncbi.nlm.nih.gov/RefSeq/ accession/nm_001244974.1)

RefSeq Size:	1626 bp
RefSeq ORF:	1014 bp
Locus ID:	5501
UniProt ID:	P36873
Cytogenetics:	12q24.11
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
MW:	38.5 kDa
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 (2) differs at the 3' end compared to variant 1. This results in a longer isoform (2) with a distinct C-terminus compared to isoform 1.</p>