

## Product datasheet for **SC118443**

### PPP6C (NM\_002721) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	PPP6C (NM_002721) Human Untagged Clone
Tag:	Tag Free
Symbol:	PPP6C
Synonyms:	PP6; PP6C
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118443 sequence for NM_002721 edited (data generated by NextGen Sequencing)

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ATGGCGCCGCTAGACCTGGACAAGTATGTGAAATAGCGCGGCTGTGCAAGTACCTGCCA
GAGAACGACCTGAAGCGCTATGTGACTACGTTTGTGACCTCCTTAGAAGAGTCAAAT
GTTTCAGCCAGTATCAACACCAGTAACAGTGTGTGGAGATATCCATGGACGTTTTATGAC
CTTTGTGAACTGTTCAGAACTGGAGGTCAGGTTCTGACACAACTACATATTTATGGGT
GATTTTGTAGACAGAGTTACTATAGTTTGGAGACCTTCACTTACCTTCTGCATTAAAG
GCTAAATGGCCTGATCGTATTACACTTTTGCAGGAAATCATGAGAGTAGACAGATAACA
CAGGTCTATGGATTTTATGATGAGTGCCAAACCAATATGGAAATGCTAATGCCTGGAGA
TACTGTACCAAAGTTTTTGACATGCTCACAGTAGCAGCTTAAATAGATGAGCAGATTTTG
TGTGTCCATGGTGGTTTATCTCCTGATATCAAAACACTGGATCAAATTCGAACCATCGAA
CGGAATCAGGAAATTCCTCATAAAGGAGCATTTTGTGATCTGGTTTGGTCAGATCCTGAA
GATGTGGATACCTGGGCTATCAGTCCCCGAGGAGCAGGTTGGCTTTTTGGAGCAAAGGTC
ACAAATGAGTTTGTTCATATCAACAACTTAAAACCTCATCTGCAGAGCACATCAACTAGTG
CACGAAGGCTATAAATTTATGTTTGATGAGAAGCTGGTGACAGTATGGTCTGCTCCTAAT
TACTGCTATCGTTGTGAAATATTGCTTCGATCATGGTCTTCAAAGATGTAAATACAAGA
GAACCAAAGTTATTCCGGGCAGTCCAGATTGAGAACGTGTTATTCCTCCCAAGACGACA
ACGCCATATTTCTTTGA

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Clone variation with respect to NM\_002721.4



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_002721 unedited  GTTTCAGATATAGTATACGACTTCACTATANNGCGGCCGCAATTCGGCACGAGGCCTC  GTGCCTAATTCGGCACGAGGCTTAAAAGGCGCCGCTAGACCTGGACAAGTATGTGGAAAT  AGCGCGGCTGTGCAAGTACCTGCCAGAGAACGACCTGAAGCGGCTATGTGACTACGTTTG  TGACCTCCTCTTAGAAGAGTCAAATGTTTCCAGCCAGTATTAACACCAGTAACAGTGTGTGG  AGATATCCATGGACAGTTTTATGACCTTTGTGAACTGTTTCCAGAACTGGAGGTCAGGTTCC  TGACACAACATACATATTTATGGGTGATTTTGTAGACAGAGGTTACTATAGTTTGGAGAC  CTTCACCTTACCTTCTTGCAATTAAGGCTAAATGGCCTGATCGTATTACACTTTTGGCAGG  AAATCATGAGAGTAGACAGATAACACAGGTCTATGGATTTTATGATGAGTGCCAAACCAA  ATATGGAAATGCTAATGCCTGGAGATACTGTACCAAAGTTTTTGGACATGCTCACAGTAGC  AGCTTTAATAGATGAGCAGATTTTGTGTGTCCATGGTGGTTTATCTCCTGATATCAAAC  ACTGGATCAAATTCGAACCATCGAACGGAATCAGGAAATTCCTCATAAAGGAGCATTTTG  TGATCTGGTTTGGTCAGATCCTGAAGATGTGGATACCTGNGCTATCAGTCCCCGAGGAGC  AGGTTGGCTTTTGGAGCAAAGGTCACAAATGAGTNTGTTTCATATCAACAACCTANAAC  CATCTGCAGAGCACATCAACTAGTGCACGAANGGCTATAATTTATGTTTGTGAGAGGCT  GGTGACAGTATGGCCTGCTCCTCATTCTGCTATCCGTGTGGAAAATATGCTCCGATCAT  GGTCTCCAAGATGTAATACAG</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_002721 unedited  GACCGCGGGCCGCAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTGCCTTT  AAACCAATTTATTTTATATCCATTTAAAATATCATCCAACAAAGGACAATGAAGTTTACA  TCTGGGACAGGTATACATAACTTGAGGCATTTGGAGTCCATCGTCCCACTGAATAACAA  CTTTGCTGCTGAAATTTCTTAAACTTACCAAATAAAACAAAAGGCTGAATGATACAAA  AGGAGGAGTATTTAGGTGAATCTGTCAATTGGCTTTTAAAAAAGGAAACACATCCTGT  TTCCCAGACCAGTAAATAAGCAAGAGCTACATGCAGCAGTGTGAGTATTAAGACATTTCT  CAAGTCTTCTCAAATGAGTCCAGGGTGGGGATGGGATGGGGGAAAATTGATAGAAAAACT  TTGCTATAGACACCACAACAAATAAATTTAGATAAATTTAAAAATTTAAAAAAGG  GCAAGAGGCAGCATTTGAGCAGCAAAGTCTCAATAAAAAGTATATTGTAGAGGGTAATA  CAAGAAAATTGGGGTAAGAAGAGGGCAGAAAAATGGGTGAGCAGGATGGGCGAAGGCCTC  AAAGGAAAATGGCGTTGTCGTTCTGGGAGGAATAACACGTTCTGAATCTGGAATGCC  GGAATAACTNTGGTTCTCTTGTATTTACATCTTTGAAGACCATGATCGAAGCAATATTTT  CACACGATAGCAGTAATTAGGAGCAGACCATACTGTACCAGCTTCTCATCAACATAAA  TTTATAGCCTTCGTGCACTAAGTATGCTCTGCAGATGAGTTTTAAGTGTGAATGAA  CAACTCATTTGTGACCTTTGCTTCAAAGCCAACCTGCTCTCTGGGACTGATACCCAGT  TTT</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_002721
<b>Insert Size:</b>	1540 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).

<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_002721.3</a> , <a href="#">NP_002712.1</a>
<b>RefSeq Size:</b>	1563 bp
<b>RefSeq ORF:</b>	918 bp
<b>Locus ID:</b>	5537
<b>UniProt ID:</b>	<a href="#">O00743</a>
<b>Cytogenetics:</b>	9q33.3
<b>Domains:</b>	Metallophos, PP2Ac
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>Gene Summary:</b>	<p>This gene encodes the catalytic subunit of protein phosphatase, a component of a signaling pathway regulating cell cycle progression. Splice variants encoding different protein isoforms exist. The pseudogene of this gene is located on chromosome X. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) uses an alternate splice site and lacks an exon in the coding region, compared to variant 1; it encodes a shorter isoform (b). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence and transcripts to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>