

## Product datasheet for **SC320834**

### 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:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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<b>Fully Sequenced ORF:</b>	<p>&gt;OriGene sequence for NM_002721.3</p> <pre> CTCCGCCGCTGCCGCCGCCGCTGCTACAGCCGCCGCCGCCGCTGTTGCCGCGCTTGTTA TTCTTAAATGGCGCCGCTAGACCTGGACAAGTATGTGGAATAGCGCGGCTGTGCAAGT ACCTGCCAGAGAACGACCTGAAGCGGCTATGTGACTACGTTTGTGACCTCCTCTTAGAAG AGTCAAATGTTTCAGCCAGTATCAACACCAGTAACAGTGTGTGGAGATATCCATGGACAGT TTATGACCTTTGTGAAGTGTTCAGAACTGGAGGTCAGGTTCTGACACAACTACATAT TTATGGGTGATTTGTAGACAGAGGTTACTATAGTTTGGAGACCTTCACCTACCTTCTTG CATTAAAGGCTAAATGGCCTGATCGTATTACACTTTTGGAGGAAATCATGAGAGTAGAC AGATAACACAGGTCTATGGATTTTATGATGAGTGCCAAACCAAATATGGAAATGCTAATG CCTGGAGATACTGTACCAAAGTTTTTGTGACATGCTCACAGTAGCAGCTTAAATAGATGAGC AGATTTTGTGTGCCATGGTGGTTTATCTCCTGATATCAAAACTGGATCAAATTCGAA CCATCGAACGGAATCAGGAAATTCCTCATAAAGGAGCATTGTGTGATCTGGTTTGGTCAG ATCCTGAAGATGTGGATACCTGGGCTATCAGTCCCGAGGAGCAGGTTGGCTTTTGGAG CAAAGGTCACAAATGAGTTTGTTCATATCAACAACCTAAAACCTCATCTGCAGAGCACATC AACTAGTGACGAAAGGCTATAAATTTATGTTTGTGAGAAGCTGGTGACAGTATGGTCTG CTCCTAATTAAGTCTATCGTTTGGGAAATATTGCTTCGATCATGGTCTTCAAAGATGTAA ATACAAGAGAACCAAAGTTATTCGGGCGAGTTCAGATTCAGAACGTGTTATTCCTCCCA GAACGACAACGCCATATTTCTTTGAGGCCTTCGCCCATCCTGCTGACCCATTTTCTGC CCTCTTCTACCCCAATTTTCTGTATTACCCTCTACAATATACTTTTTTATTGAGCACTT TGCTGCTGAAATGCTGCCTTGGCTTTTTTTTTTTTTAAATTTTAAATTTCTAAATTTA TTGTTTGTGTGGTGTCTATAGCAAAGTTTTTCTATCAATTTTCCCCATCCCATCCCCA CCCTGGACTCATTGAGAAGACTTGAGAAATGTCTTAATACTCACACTGCTGCATGTAGC TCTTGTATTTACTGGTCTGGGAAACAGGATGTGTTTCTTTTTTTTTTAAAGCCAATTG ACAGATTACACCTAAATACTCCTCTTTTGTATCATTACGCCTTTTGTGTTTGTGTTGTA AGTTTTAAGAAATTTAGCAGCAAAGTTGTTATTCAGTGGGCACGATGGACTCCAATGC CTCAAGTTATGTATACCTGTCCCAGATGTAAACTTCATTGTCCTTTGTTGGATGATATT TAAATGGATATAAAATAAATTGGTCTAAAGGACAAAAAAAAAAAAAAAAAAAAAAAAAAAA AAA </pre>
<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_002721
<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>OTI Annotation:</b>	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.
<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>