

Product datasheet for **SC323793**

PP5 (PPP5C) (NM_006247) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PP5 (PPP5C) (NM_006247) Human Untagged Clone
Tag:	Tag Free
Symbol:	PP5
Synonyms:	PP5; PPP5; PPT
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_006247.2
 CGCGACGGTTCGGCCGGGTGCCGCTGGCGGCCGTTGCCAGGGTAGGGGTCGCTTTGCGGC
 ATGGCGATGGCGGAGGGCGAGAGGACTGAGTGTGCTGAGCCCCCGGGACGAACCCCG
 GCTGATGGAGCTCTGAAGCGGGCAGAGGAGCTCAAGACTCAGGCCAATGACTACTTCAA
 GCCAAGGACTACGAGAACGCCATCAAGTTCTACAGCCAGGCCATCGAGCTGAACCCAGC
 AATGCCATCTACTATGGCAACCCGAGCCTGGCCTACCTGCGCACTGAGTGCTATGGCTAC
 GCGCTGGGAGACGCCACGGGCCATTGAGCTGGACAAGAAGTACATCAAGGGTTATTAC
 CGCCGGGCTGCCAGCAACATGGCACTGGGCAAGTTCGGGCCGCGCTGCGAGACTACGAG
 ACGGTGGTCAAGGTGAAGCCCCATGACAAGGATGCCAAAATGAAATACCGAGGAGTCAAC
 AAGATCGTGAAGCAGAAGGCCTTTGAGCGGGCCATCGCGGGCGACGAGCACAAGCGCTCC
 GTGGTGGACTCGCTGGACATCGAGAGCATGACCATTGAGGATGAGTACAGCGGACCCAAG
 CTTGAAGACGGCAAAGTACAATCAGTTTCATGAAGGAGCTCATGCAGTGGTACAAGGAC
 CAGAAGAACTGCACCGGAAATGTGCTACCAGATTCTGGTACAGGTCAAAGAGGTCCTC
 TCCAAGCTGAGCACGCTCGTGGAAACCACACTCAAAGAGACAGAGAAGATTACAGTATGT
 GGGGACACCCATGGCCAGTTCTATGACCTCCTCAACATATTCGAGCTCAACGGTTTACCC
 TCGGAGACCAACCCTATATATTTAATGGTGACTTTGTGGACCGAGGCTCCTTCTCTGTA
 GAAGTGATCCTCACCCTTTTTCGGCTTCAAGCTCCTGTACCCAGATCACTTTCACCTCCTT
 CGAGGCAACCACGAGACAGACAACATGAACCAGATCTACGGTTTCGAGGGTGAGGTGAAG
 GCCAAGTACACAGCCAGATGTACGAGCTCTTTAGCGAGGTGTTTCGAGTGGCTCCCGTTG
 GCCCAGTGATCAACGGCAAAGTGTGATCATGCACGGAGGCCTGTTTCAGTGAAGACGGT
 GTCACCTGGATGACATCCGAAAATTGAGCGGAATCGACAACCCCGAGATTCAGGGCCC
 ATGTGTGACCTGCTCTGGTCAGATCCACAGCCACAGAACGGGCGCTCGATCAGCAAGCGG
 GCGGTGAGCTGTAGTTTGGGCTGACGTCAACAAGGCCTTCTTGAAGAGAACAACCTG
 GACTATATCATCCGACGCCAGAAAGTCAAGGCCGAGGGCTACGAGGTGGCTCACGGAGGC
 CGCTGTGTACCCTTCTCTGCCCCAACTACTGCGACCAGATGGGGAACAAAGCCTCC
 TACATCCACCTCCAGGGCTCTGACCTACGGCCTCAGTTCCACCAGTTCACAGCAGTGCCT
 CATCCCAACGTCAAGCCCATGGCCTATGCCAACACGCTGCTGCAGCTAGGAATGATGTGA
 GGTGACGGGCGGGGCGGCTGCATCCCAGGGCCCTCCAATCCCACCGGACCCAGGCCCT
 GGGCTAGGGGACAGCAGGCCCCGCCAGGGCAATGTTGGACCCCTTTTACTTTGTAA
 AGTTTGTATTTATCCCTTTAGGTTTGCAGAGGGGTAGGGGCAGAGTCAAGGGCTGGC
 CAGAGGGTCTGCTCCCTGGACAGAGAGGAGGAGGTGGAGCAGCTGGGGCTGGGGGCACA
 GCCTGGGCATTCTGTGGGAGGCCGCTCCTCGGGTGGGGTGGGGCCGAGTGGCTGCCTG
 CCCCCCTATTTGCATGGCTCCTCCCCACTCAAGCAATAGGGCCCCGCCATAGGAAGAC
 CCCCAGAGAGAGGGTCAAGAGGGGGGCCCGCCTGCGCCTCCCCTCCTATAGCCCATGG
 TGGGGTAGGCTGGGGCTCACCCCTCCCCAGCTATTTTATGTCTGTAATTAATATGT
 TAAAATAAAGTCATTATCGGAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT

ACCN: NM_006247

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_006247.2 , NP_006238.1
RefSeq Size:	2075 bp
RefSeq ORF:	1500 bp
Locus ID:	5536
UniProt ID:	P53041
Cytogenetics:	19q13.32
Domains:	TPR, Metallophos
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	MAPK signaling pathway
Gene Summary:	<p>This gene encodes a serine/threonine phosphatase which is a member of the protein phosphatase catalytic subunit family. Proteins in this family participate in pathways regulated by reversible phosphorylation at serine and threonine residues; many of these pathways are involved in the regulation of cell growth and differentiation. The product of this gene has been shown to participate in signaling pathways in response to hormones or cellular stress, and elevated levels of this protein may be associated with breast cancer development. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2011]</p> <p>Transcript Variant: This variant (1) represents the longer transcript and encodes the longer protein (isoform 1).</p>