

Product datasheet for **RC201650**

PP5 (PPP5C) (NM_006247) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	PP5 (PPP5C) (NM_006247) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	PPP5C
Synonyms:	PP5; PPP5; PPT
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide Sequence:

>RC201650 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGATGGCGGAGGGCGAGAGGACTGAGTGTGCTGAGCCCCCGGGACGAACCCCGGCTGATGGAG
 CTCTGAAGCGGGCAGAGGAGCTCAAGACTCAGGCCAATGACTACTTCAAAGCCAAGGACTACGAGAACGC
 CATCAAGTTCTACAGCCAGGCCATCGAGCTGAACCCAGCAATGCCATCTACTATGGCAACCGCAGCCTG
 GCCTACCTGCGCACTGAGTGCTATGGTACGCGCTGGGAGACGCCACGCGGGCCATTGAGCTGGACAAGA
 AGTACATCAAGGGTTATTACCGCCGGGCTGCCAGCAACATGGCACTGGGCAAGTTCGGGGCCGCTGCG
 AGACTACGAGACGGTGGTCAAGGTGAAGCCCCATGACAAGGATGCCAAAATGAAATACCAGGAGTGAAC
 AAGATCGTGAAGCAGAAGGCCTTTGAGCGGGCCATCGCGGGCAGCAGCACAAGCGCTCCGTGGTGGACT
 CGCTGGACATCGAGAGCATGACCATTGAGGATGAGTACAGCGGACCAAGCTTGAAGACGGCAAAGTGC
 AATCAGTTTCATGAAGGAGCTCATGCAAGTGTACAAGGACCAGAAGAACTGCACCGGAAATGTGCCTAC
 CAGATTCTGGTACAGGTCAAAGAGGTCCTCCTCAAAGCTGAGCACGCTCGTGGAAACCACACTCAAAGAGA
 CAGAGAAGATTACAGTATGTGGGACACCCATGGCCAGTTCTATGACCTCCTCAACATATTCGAGCTCAA
 CGGTTTACCCTCGGAGACCAACCCCTATATATTTAATGGTACTTTGTGGACCGAGGCTCCTTCTCTGTA
 GAAGTGATCCTCACCCCTTTTCGGCTTCAAGCTCCTGTACCCAGATCACTTTCACCTCCTTCGAGGCAACC
 ACGAGACAGACAACATGAACCAGATCTACGGTTTCGAGGGTGAGGTGAAGGCAAGTACACAGCCAGAT
 GTACGAGCTCTTTAGCGAGGTGTTTCAGTGGCTCCCGTTGGCCAGTGCATCAACGGCAAAGTGTGATC
 ATGCACGGAGGCTGTTCAAGTGAAGACGGTGTACCCCTGGATGACATCCGAAAAATTGAGCGGAATCGAC
 AACCCCAAGATTACAGGGCCATGTGTGACCTGCTGGTTCAGATCCACAGCCACAGAAGCGGCGCTCGAT
 CAGCAAGCGGGGGCTGAGCTGTGAGTTTGGCCTGACGTCAACCAAGGCCTTCTTGAAGAGAACAACCTG
 GACTATATCATCCGACGCCAAGTCAAGGCCGAGGGCTACGAGGTGGCTCACGAGGCGGCTGTGTCA
 CCGTCTTCTGCCCCAACTACTGCGACCAGATGGGGAACAAAGCCTCTACATCCACCTCCAGGGCTC
 TGACCTACGGCTCAGTTCACCCAGTTCACAGCAGTGCCTCATCCCAACGTCAAGCCATGGCCTATGCC
 AACACGCTGCTGCAGCTAGGAATGATG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC201650 protein sequence
 Red=Cloning site Green=Tags(s)

MMAEGERTECAEPPRDEPPADGALKRAEELKTQANDYFKAKDYENAIKFYSQAIELNPSNAIYYGNRSL
 AYLRTECYGYALGDATRAIELDKKYIKYYRRAASNLMALGKFRAALRDYETVVVKVPHDKDAKMKYQECN
 KIVKQKAFERAIAGDEHKRSVVDSLDIESMTIEDEYSGPKLEDGKVTISFMKELMQWYKQKLLHRKCA
 QILVQVKEVLSKLSLSTLVETTLKETEKITVCGDTHGQFYDLLNIFELNGLPSETNPYIFNGDFVDRGSFV
 EVILTLFGFKLLYPDFHLLRGNHETDNMNQIYGFEGEVKAKYTAQMYELFSEVFEWLPLAQINGKVL
 MHGGLFSEDGVTLLDIRKIERNRQPPDSGPMCDLLWSDPQPQNGRSISKRGVSCQFQPDVTKAFLENNL
 DYIIRSHEVKAEGYEVAHGRCVTVFSAPNYCDQMGNKASYIHLQGSDLRPQFHQFTAVPHPNVKPMAYA
 NTLQLGMM

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk6226_a06.zip

Restriction Sites:

Sgfl-Mlul

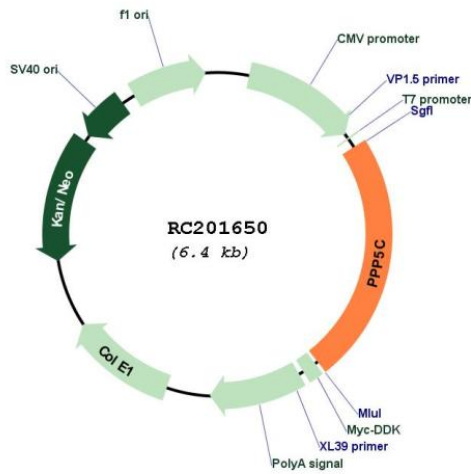
Cloning Scheme:

Cloning sites used for ORF Shutting:



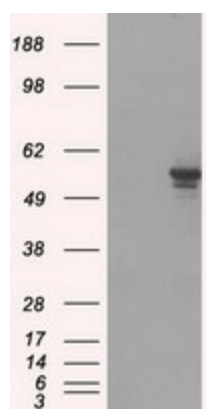
* The last codon before the Stop codon of the ORF

Plasmid Map:

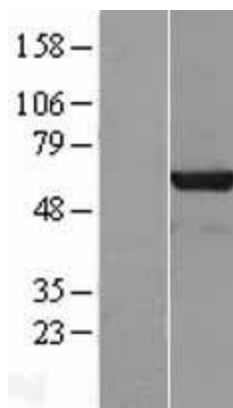


ACCN:	NM_006247
ORF Size:	1497 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_006247.4
RefSeq Size:	2232 bp
RefSeq ORF:	1500 bp
Locus ID:	5536
UniProt ID:	P53041 , A0A024R0Q7
Domains:	TPR, Metallophos
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	MAPK signaling pathway
MW:	56.9 kDa
Gene Summary:	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]

Product images:



HEK293T cells were transfected with the pCMV6-ENTRY control (Cat# [PS100001], Left lane) or pCMV6-ENTRY PPP5C (Cat# RC201650, Right lane) cDNA for 48 hrs and lysed. Equivalent amounts of cell lysates (5 ug per lane) were separated by SDS-PAGE and immunoblotted with anti-PPP5C (Cat# [TA500592]). Positive lysates [LY416767] (100ug) and [LC416767] (20ug) can be purchased separately from OriGene.



Western blot validation of overexpression lysate (Cat# [LY416767]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC201650 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).