

Product datasheet for **RC206243**

WWP1 (NM_007013) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WWP1 (NM_007013) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WWP1
Synonyms:	AIP5; hSDRP1; Tiul1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC206243 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCACTGCTTACCAAGGTCTGATACTAGTAATAACCCACAGTGAAGGTTGCAGTTACAGGTAAGT
 TTTCTAGTGCCAACTTAAAAGAAAAAGAACTGGTTCGGAACAGCAATATATACAGAAGTAGTTGTAGA
 TGGAGAAATTACGAAAACAGCAAAATCCAGTAGTCTTCTAATCCAAAATGGGATGAACAGCTAACTGTA
 AATGTTACGCCACAGACTACATTGGAATTTCAAGTTTGGAGCCATCGCACTTTAAAAGCAGATGCTTTAT
 TAGGAAAAGCAACGATAGATTTGAAACAAGCTCTGTTGATACACAATAGAAAATTGGAAAGAGTGAAAGA
 ACAATTAACCTTCTTGGAAAACAAGATGGCATAGCACAACCTGGTGAATTGACAGTTGTGCTTGAT
 GGATTGGTATTGAGCAAGAAAATATAACAACCTGCAGCTCATCTCAACCATAGAAAATACAGGAAAATG
 GTGATGCCTTACATGAAAATGGAGAGCCTTCAGCAAGGACAACCTGCCAGGTTGGCTGTTGAAGGCACGAA
 TGGAAATAGATAATCATGTACCTACAAGCACTCTAGTCCAAAACCTCATGCTGCTCGTATGTAGTTAATGGA
 GACAACACACCTTCATCTCCGTCTCAGGTTGCTGCCAGACCCAAAATACACCAGCTCCAAAACCACTCG
 CATCTGAGCCTGCCGATGACACTGTTAATGGAGAATCATCCTCATTGACCAACTGATAATGCGTCTGT
 CACGGGTACTCCAGTAGTGTCTGAAGAAAATGCCTTGTCTCCAAATGCACTAGTACTACTGTTGAAGAT
 CCTCCAGTTCAAGAAAATGACTTCTCAGAAAACAATGAATGTATTCTTCTACCAGTGCAGAATTGG
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 CAAATCAAGACAGCCAGATGGGTGTATGGATCCTGTACGGCAGCAGTCTGGGAATGCCAACACAGAAACC
 TTGCCATCAGGGTGGGAACAAAGAAAAGATCCTCATGGTAGAACCTATTATGTGGATCATAATACTCGAA
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 TTATTATGTGGATCATAACACCAGAACAACAACCTGGCAGCGGCCCTACCATGGAATCTGTCCGAAATTTT
 GAACAGTGGCAATCTCAGCGGAACCAATTGACAGGAGCTATGCAACAGTTTAACCAACGATACCTCTATT
 CGGCTTCAATGTTAGCTGCAGAAAATGACCCTTATGGACCTTTGCCACCAGGCTGGGAAAAAAGAGTGGA
 TTCAACAGACAGGGTTTACTTTGTGAATCATAACACAAAAACAACCCAGTGGGAAGATCCAAGAACTCAA
 GGCTTACAGAATGAAGAACCCTGCCAGAAGGCTGGGAAATTAGATATACTCGTGAAGGTGAAGGTAAGTACT
 TTGTTGATCATAACACAAGAACAACAACATTCAAAGATCCTCGCAATGGGAAGTCATCTGTAACATAAAGG
 TGGTCCACAAATGCTTATGAACGCGGCTTTAGGTGGAAGCTTGCTCACTCCGTTATTTGTGCCAGTCT
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 TTATGGTGGCCTAGCGAGAGAATGGTTTTTCTGCTTTCACATGAAGTTTTGAACCAATGTATTGCTTA
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 GAACAGACCAAAGCTTTCCTTGATGGTTTTAATGAAGTTGTTCCCTTTCAGTGGCTACAGTACTCGATG
 AAAAGAATTAGAGTTATGTTGTGGCATGCAGGAGTTGACTTGGCAGATTGGCAGAGAAAATCTGT
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 GAAGTAAGAATGCGACTATTGCACTTCTGCACTGGAACCTGCCGTTTACCTCTAGGAGGATTTGCTGAGC
 TCATGGGAAGTAATGGGCTCAAAGTTTTGCATTGAAAAGTTGGCAAAGACACTTGGTTACCAAGAAG
 CCATACATGTTTTAATCGCTTGGATCTACCACCATATAAGAGTTATGAACAATAAAGGAAAAAATCTCT
 TTTGCAATAGAAGAGACAGAGGGATTTGGACAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >RC206243 protein sequence
 Red=Cloning site Green=Tags(s)

MATASPRSDTSNNHSGRLQLQVTVSSAKLKRKKNWFGTAIYTEVVVDGEITKTAKSSSSSNPKWDEQLTV
 NVTPQTTLFQVWSHRTLKADALLGKATIDLKQALLIHNKLERVKEQLKLSLENKNGIAQTGELTVVLD
 GLVIEQENITNCSSSPTIEIQENDALHENGEPARSARTTARLAVEGTNGIDNHVPTSTLVQNSCCSYVNG
 DNTPSSSQVAARPKNTPAPKPLASEPADDTVNGESSFAPTNDASVTGTPVVSEENALSPNCTSTTVED
 PPVQEILTSSENNECIPSTSAELESEARSILEPDTSNSRSSSAFEAAKSRQPDGCM DPVRQQSGNANTET
 LPSGWEQRKDPHGRYYVDHNTRTTTWERPQPLPPGWERRVDRRRVYYVDHNTRTTTWQRPMTESVRNF
 EQWQSQRNQLQGAMQQFNQRYLYSASMLAAENDPYGPLPPGWEKRV DSTDRVYFVNHTKTTQWEDPRTQ
 GLQNEEPLPEGWEIRYTRREGVRYFVDHNTRTTTFKDPNGKSSVTGGPQIAYERGFRWKL AHFRYLQCS
 NALPSHVKINVSQTLFEDSFQQIMALKPYDLRRRLYVIFRGEGLDYGLAREWFFLLSHEVLNPMYCL
 FEYAGKNNYCLQINPASTINPDHLSYFCFIGRIAMALFHGKFIDTGFSLPFYKRMLSKKLTIKDLESID
 TEFYNSLIWIRDNIIIECGLEMYFSVDMEILGKVTSHDLKLGGSNILVTEENKDEYIGLMTWERF SRGVQ
 EQTKAFLDGFNEVPLQLWLYFDEKELEVMLCGMQEVDLADWQRNTVYRHYTRNSKQIIWFVQFVKETDN
 EVRMRLQLFVTGTCRLPLGGFAELMGSNGPQKFCIEKVGKDTWLP RSHTCFNRLDLPYKSYQLKEKLL
 FAIEETEGFGQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6290_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

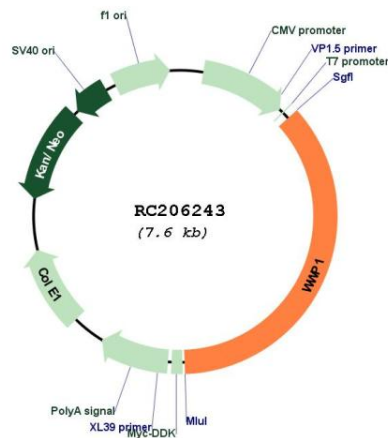
ACCN: NM_007013

ORF Size: 2766 bp

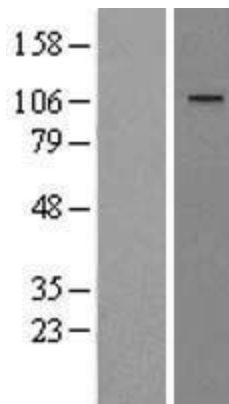
OTI Disclaimer:	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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</p>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_007013.4
RefSeq Size:	4120 bp
RefSeq ORF:	2769 bp
Locus ID:	11059
UniProt ID:	Q9H0M0
Cytogenetics:	8q21.3
Domains:	C2, HECT, WW
Protein Families:	Transcription Factors
Protein Pathways:	Endocytosis, Ubiquitin mediated proteolysis
MW:	105.2 kDa

Gene Summary:

WW domain-containing proteins are found in all eukaryotes and play an important role in the regulation of a wide variety of cellular functions such as protein degradation, transcription, and RNA splicing. This gene encodes a protein which contains 4 tandem WW domains and a HECT (homologous to the E6-associated protein carboxyl terminus) domain. The encoded protein belongs to a family of NEDD4-like proteins, which are E3 ubiquitin-ligase molecules and regulate key trafficking decisions, including targeting of proteins to proteasomes or lysosomes. Alternative splicing of this gene generates at least 6 transcript variants; however, the full length nature of these transcripts has not been defined. [provided by RefSeq, Jul 2008]

Product images:


Circular map for RC206243



Western blot validation of overexpression lysate (Cat# [LY416258]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206243 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).