

Product datasheet for **MR222724**

Wwp1 (NM_177327) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wwp1 (NM_177327) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wwp1
Synonyms:	8030445B08Rik; AIP5; SDRP1; Tiul1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR222724 representing NM_177327
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCCACTGCTTACCAAGATCTGACACTAGTGATATCCACAGTGAAGGTTACAGTTAAAGGTAAACGG
 TTTCTAGTGCCAACTAAAAAGAAAAAGAACTGGTTTGAACAGCAATATATACTGAAGTCATTGTAGA
 TGGAGAAGTTAAGAAAACAGCAAAATCCAGTAGTTCCTCTAATCCAAAATGGGACGAGCAGCTGATTGTA
 AATGTGACCCACAGACCACCTTGGAGTTCGAGTTTGGAGTACCACACTTTAAAGGCAGATGCTCTAT
 TAGGAAAAGCAACAGTGGACTTGAACAAGTGCTGTTAACACACAACAGAAAATTAGAAAAAGTAAAGA
 ACAATTAACCTTTCCTTGGAAAACAAGAAATGGAATAGTGCAACTGGGAACTGACAGTTGCTCTGAT
 GGATTAGTGATTGAGCAAGAGCCTGTAACAACCCGAGCTCCTGCCACCCATAGAAATTCAGCAAAATG
 GAGATGCCTTACATGAGAATGGAGACCTGCAACAAGGACAACCTCCAGGTTGCCTGTTGAAGGTACTAT
 TGGAAATGATAATCATGTATCAACCAACTACTGTTGTTCCCAACTCCTGCTGTTACATGTAGTTAATGGA
 GAAAACACACCTTCATCCCCGTCTCAGGTTGCTGCCAGACCCAAAAATGCTCCAGCTCCAAGCCAGTCA
 CATCTGCGCCACCAGTGACACGGTTAATGGAGAATCATCATCTGTCTAGCTGATAACTTTCAACCAT
 GGGTACTTTACTACCATCTGAAGATACCACCTCGACTTCCAATTGCACTAGCACCACCACCAAGAGCCT
 CCTGTACAAGAACCCCGAGCATCCTCAGAACACAGTGAATGTATTCCCTCTGCCAGTGGGAAAGTGGGAC
 CAGAAGCTCGGAGCCTCATAGACCCTGACTCTGATTCTAGAAAATAATTCTGTGTTTGACAAAAGTAAAGCA
 GCCAGAAGGGTGTGTAAGAACCTTGCAGGCTGCGGCCACAGTCTGGAACACCAACAGAAAGCTTTGCCATCAGGG
 TGGGAACAGAGAAAAGATCCTCATGGTGAACCTATTATGTGGATCATAACTCGAACTACTACATGGG
 AGAGACCACAGCCTTTGCCTCCAGGTTGGGAAAGAAGAGTTGATGATCGTGGAAAGATTTATTATGTGGA
 TCATAACACCAGAACAACAACCTGGCAGCGGCCTACTATGGAATCTGTTGAAAATTTGAACAGTGGCAG
 TCTCAGCGGAATCAATTGCAGGGAGCTATGCAACAATCAACCAACGATACCTCTATTCGGCTTCCATGT
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 AGTTTACTTTGTGAATCACAATACAAAAACAACCCAGTGGGAAGATCCAAGAACTCAAGGCTTACCAAT
 GAAGAACCCTGCCGAAGGCTGGGAAATCAGGTATACTCGGAAAGGTGTAGGTACTTTGTTGATCATA
 ACACGAGAACAACAACATTCAAAGACCCTCGCAATGGGAAGTCATCAGTAACTAAAGGTGGTCCACAGAT
 TGCTTATGAACGCAGCTTAGGTGGAAGCTTGCTCACTCCGTTACTTGTGCCAGTCAATGCACTACCG
 AGTCATGTAAGATCAATGTGTCCGACAGACATTATTTGAAGATTCCTTCCAACAGATTATGGCATTAA
 AACCATATGACTTGAGGAGGCGATTATATGTAATATTTAGAGGAGAAGAAGGTCTTGATTATGGTGGCCT
 TGCAAGAGAATGGTTTTCTTGCTTTCCATGAAGTTTTGAACCAATGTATTGCTTATTTGAGTATGCA
 GGCAAGAATAACTATTGTTTACAGATAAATCCAGCATCAACTATAAATCCTGACCATCTTTCATACTTCT
 GTTTTATTGGTCGCTTATTGCAATGGCACTGTCCATGGAAAGTTTATTGATACTGGTTTCTCTTTACC
 ATTTACAAGCGTATGCTAAGTAAAAAACTTACTATTAAGGATTTGGAATCTATTGATACTGAATTTTAC
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 AAACAAGATGAATATATTGGTTAATGACAGAATGGCGTTTTTCTCGAGGAGTACAAGAACAGACCAAA
 GCTTTCCTTGATGGGTTTAAATGAAGTTGTTCCCTTCAGTGGCTACAGTACTTTGATGAAAAGAATTGG
 AGGTTATGCTGTGTGGCATGCAAGAGGTTGACTTGGCAGACTGGCAGAGAAATACTGTTTATCGACATTA
 TACAAGAAACAGCAAGCAAAATTATTTGGTTTTGGCAGTTTGTGAAAGAGACTGATAATGAAGTACGAATG
 CGACTCTTGCAGTTTGTGACTGGAACCTGTCGCTTGCCTCTAGGAGGATTTGCTGAGCTCATGGGAAGTA
 ATGGGCCCTCAAAGTTCTGTATTGAAAAGTTGGCAAAGACACCTGGTTACCAAGAAGCCATACATGTTT
 TAATCGCTTGGATCTACCACCATATAAGAGTTATGAACAATAAGGAAAAAATCTTTTTGCAATAGAA
 GAGACAGAGGGATTTGGACAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGAT AAGGTTTAA

Protein Sequence: >MR222724 representing NM_177327
 Red=Cloning site Green=Tags(s)

MATASPRSDTSDIHSGRLLKVTVSSAKLKRKKNWFGTAIYTEVIVDGEVKKAKSSSSSNPKWDEQLIV
 NVTPQTTFLEFRVSSHHTLKADALLGKATVDLKQVLLTHNRKLEKVKQLKLSLENKNGIVQTGELTVVLD
 GLVIEQEPVTRSSPPIETIQNGDALHENGDPATRTTTPRLPVEGTIGIDNHVSTNTVVPNSCCSHVNG
 ENTPTSSSQVAARPKNAPAPKPVTSAPTSDTVNGESSVLADNTSTMGTLLPSEDTTSTSNCTSTTTQEP
 PVQEPASSEHSECIPSASAEVGPPEARSLIDPDSDSRNNSVFDKVRQPEGCVLELRPQSGNTTEALPSG
 WEQRKDPHGRTYYVDHNTRTTTTWERPQPLPPGWERRVDDRGRVYYVDHNTRTTTTWQRPMTESVRNFEQWQ
 SQRNQLQGAMQQFNQRYLYSASMLAAENDPYGPLPPGWEKRVDSDRVYFVNHTKTTQWEDPRTQGLPN
 EEPLPEGWEIRYTRGVRYFVDHNTRTTTFKDPKNGKSSVTGGPQIAYERSFRWKLAFHRYLCQSNALP
 SHVKINVSRTLFEDSFQQIMALKPYDLRRLVYIFRGEGLDYGLAREWFFLLSHEVLNPMYCLFEYA
 GKNNYCLQINPASTINPDHLSYFCFIGRFIAMALFHGKFIDTGFSLPFYKRMLSKLTIKDESIDTEFY
 NSLIWIRDNNIEECGLEMYFSVDMELGKVTSHDLKLGGSNILVTEENKDEYIGLMTWRF SRGVQEQTK
 AFLDGFNEVVPLQWLQYFDEKELEVMLCGMQEVDLADWQRNTVYRHYTRNSKQIIFWQFVKETDNEVRM
 RLLQFVTGTCRLPLGGFAELMGSNGPQKFCIEKVGKDTWLP RSHTCFNRLDLPPYKSYEQLKEKLLFAIE
 ETEGFGQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9109_c04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



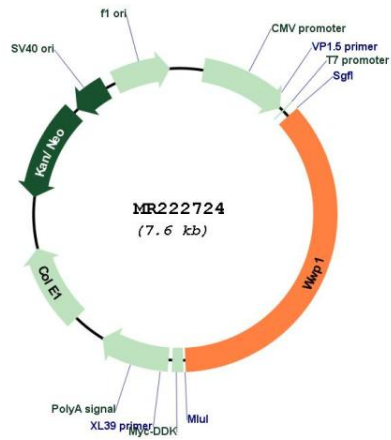
* The last codon before the Stop codon of the ORF

ACCN: NM_177327

ORF Size: 2754 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.
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_177327.5 , NP_796301.2
RefSeq Size:	6458 bp
RefSeq ORF:	2757 bp
Locus ID:	107568
UniProt ID:	Q8BZZ3
Cytogenetics:	4 A3
MW:	104.7 kDa
Gene Summary:	E3 ubiquitin-protein ligase which accepts ubiquitin from an E2 ubiquitin-conjugating enzyme in the form of a thioester and then directly transfers the ubiquitin to targeted substrates. Ubiquitinates and promotes degradation of SMAD2 in response to TGF-beta signaling, which requires interaction with TGIF (By similarity). Ubiquitinates ERBB4 isoforms JM-A CYT-1 and JM-B CYT-1, KLF2, KLF5 and TP63 and promotes their proteasomal degradation. Ubiquitinates RNF11 without targeting it for degradation. Ubiquitinates and promotes degradation of TGFBR1; the ubiquitination is enhanced by SMAD7. Ubiquitinates SMAD6 and SMAD7. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222724