

Product datasheet for **MR210655**

Wwp1 (BC026829) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wwp1 (BC026829) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wwp1
Synonyms:	AIP5, SDRP1, Tiul1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide
Sequence:

>MR210655 representing BC026829
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCCGCATCGCC

ATGGGACGAGCAGCTGATTGTAATGTGACCCACAGACCACCTTGGAGTCCGAGTTTGGAGTCACCAC
ACTTTAAAGGCAGATGCTCTATTAGGAAAAGCAACAGTGGACTTGAAACAAGTGCTGTTAACACACAACA
GAAAATGTTGCCTGTTGAAGTACTATTGGAATTGATAATCATGTATCAACCAACTACTGTTGTTCCCAAC
TCCTGCTGTTACATGTAGTAAATGGAGAAAACACACCTTCATCCCCGTCTCAGGTTGCTGCCAGACCCA
AAAATGCTCCAGCTCAAAGCCAGTCACATCTGCGCCACCAGTGACACGGTTAATGGAGAATCATCATC
TGTCTAGCTGATAACTTCAACCATGGGTACTTTACTACCATCTGAAGATAACCACCTCGACTTCCAAT
TGCACTAGCACCACCACCAAGAGCCTCTGTACAAGAACCCCGCAGTCCCTCAGAACACAGTGAATGTA
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ACCAACACAGAAGCTTTGCCATCAGGGTGGGAACAGAGAAAAGATCCTCATGGTAGAACCTATTATGTGG
ATCATAACTCGAACTACTACATGGGAGAGACCACAGCCTTGCCTCCAGGTTGGGAAAGAAGAGTTGA
TGATCGTGGAAAGAGTTTATTATGTGGATCATAACACCAGAAACAACACCTGGCAGCGGCCTACTATGGAA
TCTGTTGAAAATTTGAACAGTGGCAGTCTCAGCGGAATCAATTGCAGGGAGCTATGCAACAATCAACC
AACGATACCTCTATTGCGCTTCCATGTTAGCTGCAGAAAATGACCCCTATGGACCCTTACCACGGGCTG
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GATCCAAGAACTCAAGGCTTACCAATGAAGAACCCTGCCCGAAGGCTGGGAAATCAGGTATACTCGGG
AAGGTGTTAGTACTTTGTTGATCATAACACGAGAACAACAACATTCAAAGACCCTCGCAATGGGAAGTC
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TACTTGTGCCAGTCTAATGCACTACCGAGTCAATGTAAGATCAATGTGTCCCGACAGACATTATTTGAAG
ATTCCTTCCAACAGATTATGGCATTAAAACCATATGACTTGAGGAGGCGATTATATGTAATATTTAGAGG
AGAAGAAGGTCTTGATTATGGTGGCCTTGAAGAGAATGGTTTTTCTTGCTTTCCCATGAAGTTTGAAC
CCAATGTATTGCTTATTTGAGTATGCAGGCAAGAATAACTATTGTTTACAGATAAATCCAGCATCAACTA
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CTGGTTACCAAGAAGCCATACATGTTTTAATCGCTTGGATCTACCACCATATAAGAGTTATGAACAACATA
AAGGAAAAACTTCTTTTTGCAATAGAAGAGACAGAGGGATTTGGACAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR210655 representing BC026829
 Red=Cloning site Green=Tags(s)

MGRAADCKCDPTDHLGVPSPLESPHFKGRCSIRKSNSGLETSVAVNTQQKMLPVEGTIGIDNHVSTNTVVPN
 SCCSHVNGENTPSSPSQVAARPKNAPAPKPVTSAPTSDTVNGESSVLADNTSTMGTLLPSEDTTSTSN
 CTSTTTQEPVQEQPPASSEHSECIPSSASAEVGPPEARSLIDPDSRSRNNVDFDKVRQPEGCVEPLRPQSGN
 TNTEALPSGWQQRKDPHGRTYYVDHNTRTTTWERPQPLPPGWERRVDDRGRVYYVDHNTRTTTQRPTE
 SVRNFEQWQSQRNQLQGAMQQFNQRYLYSASMLAAENDPYGGLPPGWEKRVSDTRVYFVNHNKTTQWE
 DPRTQGLPNEEPLPEGWEIRYTRREGVRYFVDHNTRTTTFKDPNGKSSVTKGGPQIAYERSFRWKLAFR
 YLCQSNALPSHVKINVSQTLFEDSFQIMALKPYDLRRLRYVIFRGEGLDYGLAREWFFLLSHEVLN
 PMYCLFEYAGKNNYCLQINPASTINPDHLSYFCF IGRFIAMALFHGKFIDTGFSLPFYKRM LSKKLT IKD
 LESIDTEFYNSL IWRDNNIEECGLEMYFSVDMEILGKVTSHDLKLGGSNILVTEENKDEYIGLMTIEWRF
 SRGVQEQTAKFLDGFNEVVPLQWLQYFDEKELEVMLCGMQEVDLADWQRNTVYRHYTRNSKQIIWFQFV
 KETDNEVRMRLQLQFVTGTCRLPLGGFAELMGSNGPQKFCIEKVGKDTWLP RSHTCFNRLDLPYKSYEQL
 KEKLLFAIETEFGFQE

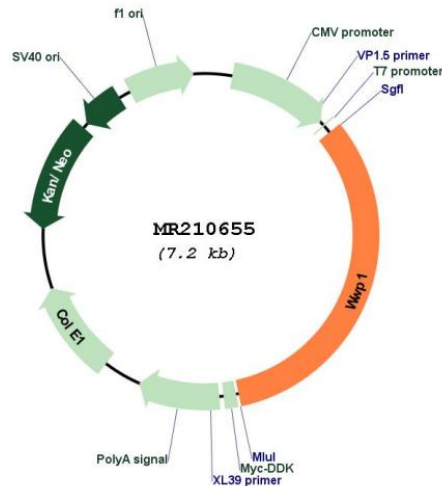
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: BC026829

ORF Size: 2361 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:

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: [BC026829.1](#)

RefSeq Size: 3107 bp

RefSeq ORF: 2363 bp

Locus ID: 107568

Cytogenetics: 4 A3

MW: 113.9 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]