

Product datasheet for **MR211018**

Wwp2 (NM_025830) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wwp2 (NM_025830) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Wwp2
Synonyms:	1300010O06Rik; AA690238; AIP2; AW554328
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>MR211018 ORF sequence
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGGCATCTGCCAGCTCCAGCCGGCAGGAGTGGCCCTGCCTTTTGAGAAGTCCCAGCTTACCCTGAAAG
 TGGTGTACAGCAAAGCCCAAGGTGCAACAACGCCAGCCAGAATCAACTCCTACGTGGAGGTGGCAGTGGA
 TGGACTCCCCAGCGAGACCAAGAAGACGGGAAGCGCATCGGGAGCTCTGAACTGCTCTGGAATGAAATC
 ATCGTTCTGAATGTCACAGCCCAGAGTCAATTTGGATCTGAAGGTCTGGAGCTGTACACCTTGAGGAATG
 AACTACTGGGCACTGCCTCTGTCAACCTCTCCAATGTCCTGAAGAACAATGGCGGCAAAATGGAGAACAC
 ACAACTGACCCTGAACCTGCAGACAGAGAACAAGGCAGTGTGTCTCGGGAGGAGAGCTGACAATTTTC
 CTGGATGGGCCAACTGTTGATCTGGGAAGTGTGCCTAATGGCAGTGCAGTACAGACGGATCACAGCCAC
 CTTCAAGAGAATCCAGTGGGACTGCTATAGCTCCAGAGACCCGGCACCAGCCCCCAGTACAACCTGCTT
 TGGTGGCAGATCCCGACGCACAGACACTCAGGTGGCTCAGCCAGGACAGCCACAGCAGCCAGTGAACAA
 AGCCCTGGCGCTAGGAACCGCCACCGCCAGCCTGTGAAGAATCTAGCAGCAGTGGCTTAGCCAATGGCA
 CAGTGAATGAGGAACCTACTCCAGCCAGTGAACCTGAAGAATCGTCGGTTGTTGGTGAACATCCCTGCC
 TGCAGCAGCCTTGAGTGTGTCCTCAAATCCCAACAACAATCTCTCCCTGCACAGTCCACACCAGCAGAG
 GGAGAGGAGGCCAGCACTTCCGGGACACAGCAGCTCCCTGCTGCCGCCAGGCCCTGATGCTCTTCCTG
 CTGGATGGGAACAGAGAGAGCTGCCCAATGGGCGTGTCTATTATGTTGATCACAACCAAGACCACCAC
 CTGGGAGCGGCCCTTCTCCTCAGGGTGGGAAAAGCGCACGGACCCCGAGGGAGGTTTTACTACGTGGAC
 CACAACACCCGGACAACCACTGGCAGCGCCCACTGCTGAGTACGTGCGCAACTATGAGCAGTGGCAGT
 CCCAGCGAACCAGCTGCAGGGGCCATGCAGCACTTCAGCCAAAGATTCTCTACCAGTCTCGAGTGC
 TTCGACTGACCATGATCCCTTGGGCCCTCCACCTGGCTGGGAGAAGAGGCAGGACAATGGACGGGTG
 TATTATGTCAACCACAACACTCGCACTACCCAGTGGGAGGACCCTCGGACCCAGGGGATGATACAGGAGC
 CAGCCCTGCCCCAGGGTGGGAGATGAAATACACCAGCGAGGGCGTGGGTACTTTGTGGACCACAATAC
 CCGCACCCTACCTTTAAGGATCCTCGCCAGGGTTCGAGTACAGGACAAGCAAGGCTCACCTGGTGCC
 TATGACCGAAGTTTTCGGTGGAAGTATCACCAGTTCGGTTTCTCTGCCACTCAAATGCTTACCCAGCC
 ATGTGAAGATCAGCGTTCCAGGCAGACACTCTTTGAGGATTCTTTCAAACAGATTATGAACATGAAACC
 TTACGACCTGCGCCGCCGCTCTACATCATCATGCGTGGTGGAGGGCCCTGGACTACGGCGGCATCGCC
 AGAGAGTGGTTTTCTCCTGTCCCATGAGGTGCTCAACCCTATGTACTGTTTGTGAAATATGCTGGGA
 AGAACAATTACTGCCTGCAGATCAACCCGGCCTTCCATCAACCCTGACCACCTCACCTACTTCCGCTT
 TATCGGCAGATTCATCGCCATGGCTCTGTACCATGGGAAGTTCATCGACACAGGCTTCACTCTCCCTTTC
 TACAAGCGGATGCTCAACAAGAGACCGACTCTGAAGGACCTGGAGTCTATTGACCCTGAGTTTTACAAC
 CCATTGTCTGGATCAAAGAGAACAACCTGGAAGAGTGTGGTCTGGAGCTGTTTTTCATCCAGGACATGGA
 GATTCTGGGCAAGGTGACAACCCATGAAGTGAAGGAGGGCGTGAGAATCCGAGTTACCGAGGAGAAC
 AAGGAGGAGTATATCATGCTGCTGACTGACTGGCGATTACCCGAGGCGTGAAGAGCAGACCAAGCTT
 TCCTGGATGGCTTCAATGAGGTTGCCCTCTGGAGTGGTTGAGATATTTGATGAGAAAGAGCTGGAGCT
 CATGCTCTGCGGCATGCAGGAGATAGACATGAGCGACTGGCAGAAGAAGCCATCTATCGGCACTACACC
 AAGAGCAGCAAGCAGATCCAGTGGTTCTGGCAGTTGTCAAGGAGATGGACAATGAGAAGAGGATCCGGC
 TACTGCAGTTTGTACGGGAACCTGCCCTGCGCTGTTGGGGATTGCTGAGCTCATCGGAGCAATGG
 CCCGCAAGATTCTGCATCGACAGAGTTGGCAAGGAAACCTGGCTGCCAGGAGCCATACGTGCTTCAAC
 CGTCTGGACCTGCCTCCCTATAAGAGCTACGAGCAGCTGAAAGAGAAGCTGCTGTACGCCATCGAGGAGA
 CTGAGGGGTTCCGACAGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR211018 protein sequence
 Red=Cloning site Green=Tags(s)

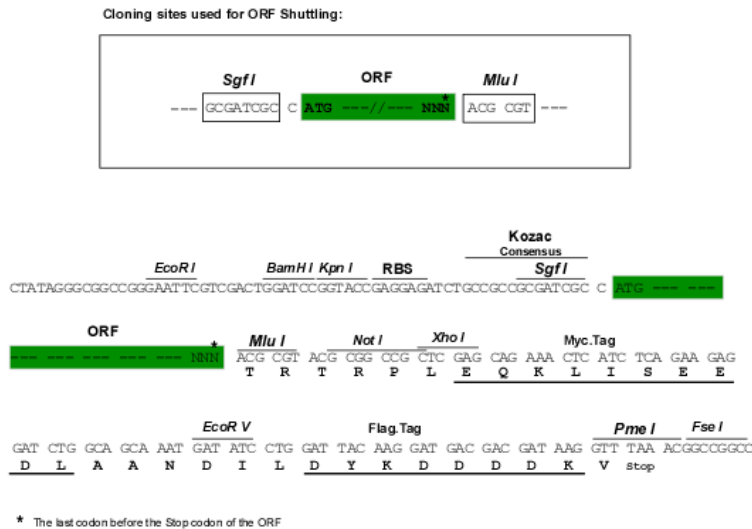
MASASSSRAGVALPFEKSQLTLKVVSAKPKVHNRQPRINSYVEVAVDGLPSETKKTGKRIGSELLWNEI
 IVLNVTAQSHLDLKVWSCHTLRNELLGTASVNL SNVLKNNGGKMENTQLTLNLQ TENKGSVVSGGELTIF
 LDGPTVDLGSVPNGSAVTDGSQPPSRESSGTAIAPETRHQPPSTNCFGGRSRTHRHSGGSARTATAASEQ
 SPGARNRHRQPVKNSSSSGLANGTVNEEPTPASEPEESSVVGVTSLPAAALSVSSNPNTTSLPAQSTPAE
 GEEASTSGTQQLPAAAQAPDALPAGWEQREL PNGRVYYVDHNTKTTTWERPLPPGWEKRDPGRGFYYVD
 HNTRTTTWRPTAEYVRNYEQWQSQRNQLQGAMQHFSQRFLYQSSSASTDHDPLGPLPPGWEKRQDNGRV
 YYVHNTRTTQWEDPRTQGMIEPALPPGWEMKYTSEGVRYFVDHNTRTTTFKDRPGFESGTKQGSPGA
 YDRSFRWKYHQFRFLCHSNALPSHVKISVSRQTLFEDSFQQIMNMKPYDLRRRLYIIMRGEGLDYGGIA
 REWFFLLSHEVLNPMYCLFEYAGKNNYCLQINPASSINPDHLYFRFIGRFIAMALYHGKFI DTGFTL PF
 YKRLMLNRPTLKDLESIDPEFYNSIVWIKENNEECGLELFFIQDMEILGKVTTHLKEGGENIRVTEEN
 KEEYIMLLTDWRFTRGVEEQTKAFLDGFNEVAPLEWLYFDEKELEMLCGMQEIDMSDWQKNAIYRHYT
 KSSKQIQWFWQVKEMDNEKRIRLLQFVTGT CRLPVGGFAELIGSNGPQKFCIDRVGKETWLP RSHTCFN
 RLDLPPYKSYEQLKEKLLYAIEETEGFGQE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

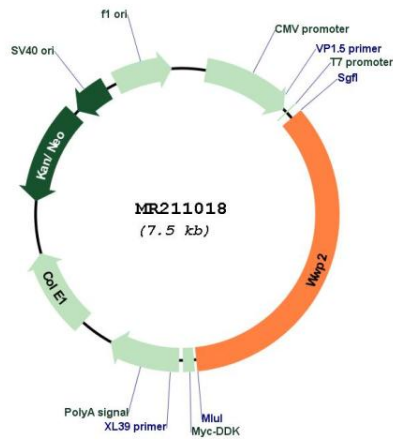
Sgfl-MluI

Cloning Scheme:



ACCN:	NM_025830
ORF Size:	2613 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_025830.4
RefSeq Size:	4319 bp
RefSeq ORF:	2613 bp
Locus ID:	66894
UniProt ID:	Q9DBH0
Cytogenetics:	8 D3
MW:	98.8 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. Polyubiquitinates POU5F1 by 'Lys-63'-linked conjugation and promotes it to proteasomal degradation; regulates POU5F1 protein level during differentiation of embryonal carcinoma cells (ECCs) but not in undifferentiated ECCs and embryonic stem cells (ESCs). Ubiquitinates EGR2 and promotes it to proteasomal degradation; in T-cells the ubiquitination inhibits activation-induced cell death. Ubiquitinates SLC11A2; the ubiquitination is enhanced by presence of NDFIP1 and NDFIP2. Ubiquitinates RPB1 and promotes it to proteasomal degradation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211018