

Product datasheet for **MG211018**

Wwp2 (NM_025830) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wwp2 (NM_025830) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wwp2
Synonyms:	1300010O06Rik; AA690238; AIP2; AW554328
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG211018 representing NM_025830
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCATCTGCCAGCTCCAGCCGGGAGGAGTGGCCCTGCCTTTTGAGAAGTCCCAGCTTACCCTGAAAG
 TGGTGTACAGCAAAGCCCAAGGTGCAACAACGCCAGCCAGAATCAACTCCTACGTGGAGGTGGCAGTGGA
 TGGACTCCCCAGCGAGACCAAGAAGACGGGAAGCGCATCGGGAGCTCTGAACTGCTCTGGAATGAAATC
 ATCGTTCTGAATGTCACAGCCCAGAGTCAATTTGGATCTGAAGGTCTGGAGCTGTACATACCTTGAGGAATG
 AACTACTGGGCACTGCCTCTGTCAACCTCTCCAATGTCTGAAGAACAATGGCGGCAAAATGGAGAACAC
 ACAACTGACCCTGAACCTGCAGACAGAGAACAAGGCAGTGTGTCTCGGGAGGAGAGCTGACAATTTTC
 CTGGATGGGCCAACTGTTGATCTGGGAAGTGTGCCTAATGGCAGTGCAGTACAGACGGATCACAGCCAC
 CTTCAAGAGAATCCAGTGGGACTGCTATAGCTCCAGAGACCCGGCACCAGCCCCCAGTACAACCTGCTT
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 AGCCCTGGCGCTAGGAACCGCCACCGCCAGCCTGTGAAGAATCTAGCAGCAGTGGCTTAGCCAATGGCA
 CAGTGAATGAGGAACCTACTCCAGCCAGTGAACCTGAAGAATCGTCGGTTGTTGGTGAACATCCCTGCC
 TGCAGCAGCCTTGAGTGTGTCTCAAAATCCCAACAACAATCTCTCCCTGCACAGTCCACACCAGCAGAG
 GGAGAGGAGGCCAGCACTTCCGGGACACAGCAGCTCCCTGCTGCCGCCAGGCCCTGATGCTCTTCCTG
 CTGGATGGGAACAGAGAGAGCTGCCCAATGGGCGTGTCTATTATGTTGATCACAACCAAGACCACCAC
 CTGGGAGCGGCCCTTCTCCTCAGGGTGGGAAAAGCGCACGGACCCCGAGGGAGGTTTTACTACGTGGAC
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 ATGTGAAGATCAGCGTTCCAGGCAGACACTCTTTGAGGATTCTTTCAAACAGATTATGAACATGAAACC
 TTACGACCTGCGCCCGCGCTCTACATCATCATGCGTGGTGGAGGGCCCTGGACTACGGCGGCATCGCC
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 CCCGCAAGATTCTGCATCGACAGAGTTGGCAAGGAAACCTGGCTGCCAGGAGCCATACGTGCTTCAAC
 CGTCTGGACCTGCCTCCCTATAAGAGCTACGAGCAGCTGAAAGAGAAGTGTGTACGCCATCGAGGAGA
 CTGAGGGGTTCCGACAGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG211018 representing NM_025830
 Red=Cloning site Green=Tags(s)

MASASSSRAGVALPFEKSQLTLKVVSAKPKVHNRQPRINSYVEVAVDGLPSETKKTGKRIGSELLWNEI
 IVLNVTAQSHLDLKVWSCHTLRNELLGTASVNL SNVLKNNGGKMENTQLTLNLQ TENKGSVVSGGELTIF
 LDGPTVDLGSVPNGSAVTDGSQPPSRESSGTAIAPETRHPSTNCFGGRSRTHRHSGGSARTATAASEQ
 SPGARNRHRQPVKNSSSSGLANGTVNEEPTPAPEEESVVGVTSLPAAALSVSSNPNTTSLPAQSTPAE
 GEEASTSGTQQLPAAAQAPDALPAGWEQREL PNGRVYYVDHNTKTTTWERPLPPGW EKRTDPRGRFYVD
 HNTRTTTWRPTAEYVRNYEQWQSQRNQLQGAMQHFSQRFLYQSSSASTDHDPLGPLPPGW EKRDNGRV
 YYVNHNRTRTTQWEDPRTQGMIEPALPPGWEMKYTSEGVRYFVDHNTRTTTFKDRPGFESGTKQGSPGA
 YDRSFRWKYHQFRFLCHSNALPSHVKISVSRQTLFEDSFQQIMNMKPYDLRRRLYIIMRGEGLDYGGIA
 REWFFLLSHEVLNPMYCLFEYAGKNNYCLQINPASSINPDHLYFRFIGRFIAMALYHGKFI DTGFTLPF
 YKRLNKRPTLKDLESIDPEFYNSIVWIKENNEECGLELFFIQDMEILGKVTTHLKEGGENIRVTEEN
 KEEYIMLLTDWRFTRGVEEQTKAFLDGFNEVAPLEWLR YFDEKELEMLCGMQEIDMSDWQKNAIYRHYT
 KSSKQIQWFVQVKEMDNEKRIRLLQFVTGT CRLPVGGFAELIGSNGPQKFCIDRVGKETWLP RSHTCFN
 RLDLPPYKSYEQLKEKLLYAIEETEFGFQE

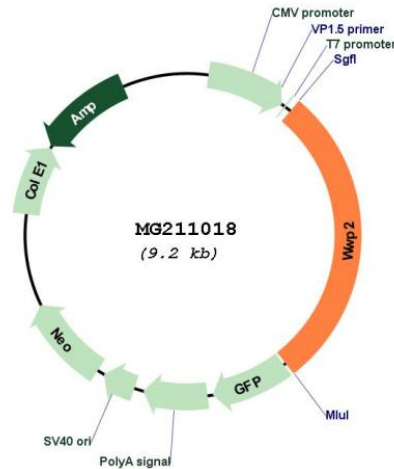
TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_025830

ORF Size: 2610 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: [NM_025830.4](#)

RefSeq Size: 4319 bp

RefSeq ORF: 2613 bp

Locus ID: 66894

UniProt ID: [Q9DBH0](#)

Cytogenetics: 8 D3

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]