

Product datasheet for **MC228934**

Wwp1 (NM_001276292) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wwp1 (NM_001276292) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >MC228934 representing NM_001276292
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGGACGAGCAGCTGATTGTAATGTGACCCACAGACCACCTTGGAGTCCGAGTTTGGAGTACCAC
 ACTTTAAAGGCAGATGCTCTATTAGGAAAAGCAACAGTGGACTTGAAACAAGTGCTGTTAACACACAACA
 GAAAATGTTGCCTGTTGAAGTACTATTGGAATTGATAATCATGTATCAACCAATACTGTTGTTCCCAAC
 TCCTGCTGTTACATGTAGTTAATGGAGAAAACACACCTTCATCCCCGTCTCAGGTTGCTGCCAGACCCA
 AAAATGCTCCAGCTCAAAGCCAGTCACATCTGCGCCACCAGTGACACGGTTAATGGAGAATCATCATC
 TGTCTAGCTGATAATACTTCAACCATGGGTACTTTACTACCATCTGAAGATACCACCTCGACTTCCAAT
 TGCCTAGCACCACCACCAAGAGCCTCTGTACAAGAACCCCGCAGTCCCTCAGAACACAGTGAATGTA
 TTCCCTCTGCCAGTGCAGGAGTGGGACCAGAAGCTCGGAGCCTCATAGACCCTGACTCTGATTCTAGAAA
 TAATTCTGTGTTTGACAAAGTAAGGCAGCCAGAAGGGTGTGTAGAACCTCTGCGGCCACAGTCTGGAAC
 ACCAACACAGAAGCTTTGCCATCAGGGTGGGAACAGAGAAAAGATCCTCATGGTAGAACCTATTATGTGG
 ATCATAATACTCGAACTACTACATGGGAGAGACCACAGCCTTGCCTCCAGGTTGGGAAAGAAGAGTTGA
 TGATCGTGGAAAGAGTTTATTATGTGGATCATAACACCAGAAACAACACCTGGCAGCGCCTACTATGGAA
 TCTGTTGAAAATTTGAACAGTGGCAGTCTCAGCGGAATCAATTGCAGGGAGCTATGCAACAATCAACC
 AACGATACCTCTATTCGGCTTCCATGTTAGCTGCAGAAAATGACCCCTATGGACCCTTACCACGGGCTG
 GGAAAAAGAGTGGATTAACAGACAGAGTTTACTTTGTGAATCAACAACAAAAACAACCCAGTGGGAA
 GATCCAAGAACTCAAGGCTTACCAATGAAGAACCCTGCCCGAAGGCTGGGAAATCAGGTATACTCGGG
 AAGGTGTTAGTACTTTGTTGATCATAACACGAGAACAACAACATTCAAAGACCCTCGCAATGGGAAGT
 ATCAGTAACTAAAGGTGGTCCACAGATTGCTTATGAACGCAGCTTATAGGTGGAAGCTTGCTCACTCCGT
 TACTTGTGCCAGTCTAATGCACTACCGAGTCAATGTAAGATCAATGTGTCCCGACAGACATTATTTGAAG
 ATTCCTTCCAACAGATTATGGCATTAAAACCATATGACTTGAGGAGGCGATTATATGTAATATTTAGAGG
 AGAAGAAGGTCTTGATTATGGTGGCCTTGAAGAGAATGGTTTTTCTTGCTTTCCCATGAAGTTTGAAC
 CCAATGTATTGCTTATTTGAGTATGCAGGCAAGAATAACTATTGTTTACAGATAAATCCAGCATCAACTA
 TAAATCCTGACCATCTTTCATACTTCTGTTTTATTGGTCGCTTATTGCAATGGCACTGTCCATGGAAA
 GTTTTATTGATACTGGTTTCTTACCATTCTACAAGCGTATGCTAAGTAAAAAATTAATAAAGGAT
 TTGGAATCTATTGATACTGAATTTTACAACCTCTAATCTGGATAAGAGATAACAATATTGAAGAATGTG
 GCTTAGAAATGACTTTTCTGTAGACATGGAGATTCTGGGAAAAGTACTTCACATGATTTAAAGTTGGG
 AGGTTCCAATATCCTGGTGACGGAAGAAAACAAGATGAATATATTGGTTAATGACAGAATGGCGTTTT
 TCTCGAGGAGTACAAGAACAGACCAAAGCTTCCCTTGATGGGTTAATGAAGTTGTTCCCTTCACTGGC
 TACAGTACTTTGATGAAAAAGAATTGGAGGTTATGCTGTGTGGCATGCAAGAGGTTGACTTGGCAGACTG
 GCAGAGAAATACTGTTTATCGACATTATAACAAGAAACAGCAAGCAAAATTTGGTTTTGGCAGTTTGTG
 AAAGAGACTGATAATGAAGTACGAATGCGACTCTTGCAGTTTGTGACTGGAACCTGTGCTTGCCTCTAG
 GAGGATTTGCTGAGCTCATGGGAAGTAAATGGCCCTCAAAGTTCTGTATTGAAAAAGTTGGCAAAGACAC
 CTGGTTACCAAGAAGCCATACATGTTTTAATCGCTTGGATCTACCACCATATAAGAGTTATGAACAACATA
 AAGGAAAAACTTCTTTTTGCAATAGAAGAGACAGAGGGATTTGGACAAGAA**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_001276292
Insert Size: 2364 bp

OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001276292.1 , NP_001263221.1
RefSeq Size:	6296 bp
RefSeq ORF:	2364 bp
Locus ID:	107568
UniProt ID:	Q8BZZ3
Cytogenetics:	4 A3

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]

Transcript Variant: This variant (2) has multiple coding region differences and initiates translation at a downstream start codon, compared to variant 1. The use of the start codon used in variant 1 would render the transcript a candidate for nonsense-mediated mRNA decay (NMD). Leaky scanning may allow translation initiation at the downstream AUG, which is associated with a strong Kozak sequence. The resulting isoform (2) is shorter and has a distinct N-terminus compared to isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.