

Product datasheet for **MG222724**

Wwp1 (NM_177327) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Wwp1 (NM_177327) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Wwp1
Synonyms:	8030445B08Rik; AIP5; SDRP1; Tiul1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG222724 representing NM_177327
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCCACTGCTTACCAAGATCTGACACTAGTGATATCCACAGTGAAGGTTACAGTTAAAGGTAAACGG
 TTTCTAGTGCCAACTAAAAAGAAAAAGAACTGGTTTGAACAGCAATATATACTGAAGTCATTGTAGA
 TGGAGAAGTTAAGAAAACAGCAAAATCCAGTAGTTCCTCTAATCCAAAATGGGACGAGCAGCTGATTGTA
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 GAGATGCCTTACATGAGAATGGAGACCTGCAACAAGGACAACCTCCAGGTTGCCTGTTGAAGGACTAT
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 GAAAACACACCTTCATCCCCGTCTCAGGTTGCTGCCAGACCCAAAAATGCTCCAGCTCCAAGCCAGTCA
 CATCTGCGCCACCAGTGACACGGTTAATGGAGAATCATCATCTGTCTAGCTGATAACTTTCAACCAT
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 TGCTTATGAACGCAGCTTAGGTGGAAGCTTGCTCACTCCGTTACTTGTGCCAGTCAATGCCTACCG
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 GAGACAGAGGGATTTGGACAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >MG222724 representing NM_177327
 Red=Cloning site Green=Tags(s)

MATASPRSDTSDIHSGRLLKVTVSSAKLKRKKNWFGTAIYTEVIVDGEVKKAKSSSSSNPKWDEQLIV
 NVTPQTTFEFRVWSHHTLKADALLGKATVDLQVLLTHNRKLEKVKQLKLSLENKNGIVQTGELTVVLD
 GLVIEQEPVTRSSPPIEIQNGDALHENGDPATRTTPRLPVEGTIGIDNHVSTNTVVPNSCCSHVVNG
 ENTSSPSQVAARPKNAPAPKPVTSAPTSDTVNGESSVLADNTSTMGTLLPSEDTTSTSNCTSTTTQEP
 PVQEPASSEHSECI PSASAEVGPPEARSLIDPDSDSRNNSVFDKVRQPEGCVLELRPQSGNTNEALPSG
 WEQRKDPHGRTYYVDHNTRTTTWERPQPLPPGWERRVDDRGRVYYVDHNTRTTTWQRPMTESVRNFEQWQ
 SQRNQLQGAMQQFNQRYLYSASMLAAENDPYGGLPPGWKRVDSDRVYFVNHNTKTTQWEDPRTQGLPN
 EEPLPEGWEI RYTRGVRYFVDHNTRTTTFKDPKNGKSSVTKGGPQIAYERSFRWKL AHFRYLCQSNALP
 SHVKINVSQRTL FDSFQQIMALKPYDLRRRL YVIFRGEGLDYGGLAREWFFLLSHEVLNPMYCLFEYA
 GKNNYCLQINPASTINPDHLSYFCIFGRFIAMALFHGKFIDTGFSLPFYKRMLSKLTIKLESIDTEFY
 NSLIWIRDNNIEECGLEMYFSVDMEILGKVTSHDLKLGGSNILVTEENKDEYIGLMEWRF SRGVQEQTK
 AFLDGFNEVVPLQWLQYFDEKELEVMLCGMQEVDLADWQRNTVYRHYTRNSKQIIWFVQFVKETDNEVRM
 RLLQFVTGTCRLPLGGFAELMGSNGPQKFCIEKVGKDTWLP RSHTCFNRDLPPYKSYEQLKEKLLFAIE
 ETEGFGQE

TRTRPLE - GFP Tag - V

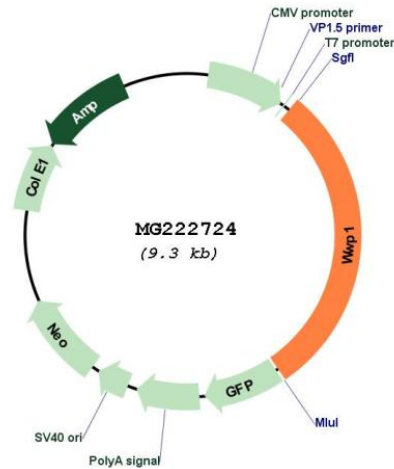
Restriction Sites:

SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:


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:

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

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]