

## Product datasheet for **RG209632**

### WTAP (NM\_004906) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	WTAP (NM_004906) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	WTAP
Synonyms:	Mum2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG209632 representing NM_004906 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGACCAACGAAGAACCTCTTCCAAGAAGGTTTCGATTGAGTGAAACAGACTTCAAAGTTATGGCAAGAG  
ATGAGTTAATTCTAAGATGGAACAATATGAAGCATATGTACAAGCTTTGGAGGGCAAGTACACAGATCT  
TAACTCTAATGATGTAAGTGGCCTAAGAGAGTCTGAAGAAAACTAAAGCAACAACAGCAGGAGTCTGCA  
CGCAGGGAAAACATCCTTGTAAATGCGACTAGCAACCAAGGAACAAGAGATGCAAGAGTGTACTACTCAA  
TCCAGTACCTCAAGCAAGTCCAGCAGCCGAGCGTTGCCAACTGAGATCAACAATGGTAGACCCAGCGAT  
CAACTGTTTTTCTAAAATGAAAGGTGAAGTGAACAGACTAAAGACAACTGGAAACAAGCCAAAAT  
GAACTGAGTGCCTGGAAGTTTACGCCTGATAGCCAAACAGGGAAAAAGTTAATGGCGAAGTGTGCAATGC  
TTATCCAGGAGAAATCAAGAGCTTGAAGGCAGCTGTCCCAGGGACGTATTGCACAACCTGAAGCAGAGTT  
GGCTTTACAGAAGAAATACAGTGAGGAGCTTAAAAGCAGTCAGGATGAACTGAACTGACTTCATCATCCAG  
CTTGATGAAGAAGTAGAGGGTATGCAGAGTACCATTCTAGTTCTGCAGCAGCAGCTGAAGGAGACACGCC  
AGCAGTTGGCTCAGTACCAGCAGCAGCAGTCTCAGGCCTCTGCCCAAGTACCAGCAGGACTACAGCTTC  
TGAACCTGTAGAACAGTCAGAGGCCACAAGTAAAGACTGCAGTCGTCTGACAAACGGACCAAGTAATGGT  
AGCTCTCCCGCCAGAGGACGTCTGGGTCTGGATTTACAGGGAGGGCAACACAACCGAAGATGACTTTC  
CTTCTTCCAGGGAATGGTAATAAGTCCTCCAACAGCTCAGAGGAGAGAAGTGGCAGAGGAGGTAGTGG  
TTACGTAATCAACTCAGTGCAGGGTATGAAAAGTGTAGACTCTCCACGGGCAGTGAAAACCTCTCTCACA  
CACCAATCAAATGACACAGACTCCAGTCATGACCCTCAAGAGGAGAAAGCAGTGAGTGGGAAAGGTAATC  
GAACTGTGGGTTCCCGCCACGTTCAAGATGGCTTGGACTCAAGTGTAAATGTACAGGGTTCAGTTTTG

**ACCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG209632 representing NM\_004906  
 Red=Cloning site Green=Tags(s)

MTNEEPLPKKVRVLRSETDFKVMARDELILRWKQYEAYVQALEGKYTDLNSNDVTGLRESEEKQKQQQESA  
 RRENILVMRLATKEQEMQECTTQIQYLKQVQPPSVAQLRSTMVDPAINLFFLKMKGELEQTKDKLEQAQN  
 ELSAWKFTPDSQTGKKLMAKCRMLIQENQELGRQLSQGRIAQLEAELALQKKYSEELKSSQDELNDFIIQ  
 LDEEVEGMQSTILVLQQQLKETRQQLAQYQQQSQASAPSTSRTTASEPVEQSEATSKDCSRLTNGPSNG  
 SSSRQRTPSGSGFHREGNTTEDDFPSSPGNGKSSNSSEERTGRGGSGYVNLQLSAGYESVDSPTGSENSLT  
 HQSNDTSSSDHPQEEKAVSGKGNRTVGSRHVQNGLDSSVNVQGSVL

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_004906

**ORF Size:** 1188 bp

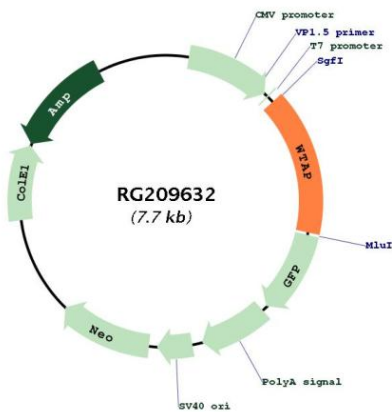
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_004906.5](#)
- RefSeq Size:** 2143 bp
- RefSeq ORF:** 1191 bp
- Locus ID:** 9589
- UniProt ID:** [Q15007](#)
- Cytogenetics:** 6q25.3
- Protein Families:** Druggable Genome
- Gene Summary:** The Wilms tumor suppressor gene WT1 appears to play a role in both transcriptional and posttranscriptional regulation of certain cellular genes. This gene encodes a WT1-associated protein, which is a ubiquitously expressed nuclear protein. Like WT1 protein, this protein is localized throughout the nucleoplasm as well as in speckles and partially colocalizes with splicing factors. Alternative splicing of this gene results in several transcript variants encoding three different isoforms. [provided by RefSeq, Jul 2012]

**Product images:**



Circular map for RG209632