

Product datasheet for **RG231950**

WTAP (NM_001270532) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: WTAP (NM_001270532) 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: >RG231950 representing NM_001270532
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACCAACGAAGAACCTCTTCCAAGAAGGTTTCGATTGAGTGAAACAGACTTCAAAGTTATGGCAAGAG
ATGAGTTAATTCTAAGATGGAACAATATGAAGCATATGTACAAGCTTTGGAGGGCAAGTACACAGATCT
TAAGTCTAATGATGTAAGTGGCCTAAGAGAGTCTGAAGAAAACTAAAGCAACAACAGCAGGAGTCTGCA
CGCAGGGAAAACATCCTTGTAAATGCGACTAGCAACCAAGGAACAAGAGATGCAAGAGTGTACTACTCAA
TCCAGTACCTCAAGCAAGTCCAGCAGCCGAGCGTTGCCCAACTGAGATCAACAATGGTAGACCCAGCGAT
CAACTGTTTTTCTAAAATGAAAGGTGAAGTGAACAGACTAAAGACAACTGGAACAAGCCAAAAT
GAACTGAGTGCCTGGAAGTTTACGCCTGATAGAGGCTGATGGCGTCGGACTATTCGAAGAAGTGGCCA
CCTCCGAAAAATTCCCCTTC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG231950 representing NM_001270532
Red=Cloning site Green=Tags(s)

MTNEEPLPKKVRVLSDFKVMARDELILRWKQYEAYVQALEGKYDLNSNDVTGLRESEEKLRKQQQESA
RRENILVMRLATKEQEMQECTTQIQYLKQVQPSVAQLRSTMVDPAINLFFLKMKGELEQTDKLQEAQN
ELSAWKFTPDRGLMASDYSEEVATSEKFPF

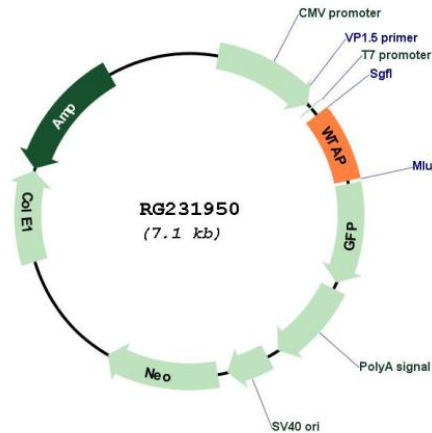
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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Cloning Scheme:

Plasmid Map:


ACCN: NM_001270532

ORF Size: 510 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:	<u>NM_001270532.1, NP_001257461.1</u>
RefSeq Size:	1636 bp
RefSeq ORF:	513 bp
Locus ID:	9589
UniProt ID:	<u>Q15007</u>
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-associating 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]