

Product datasheet for **RG233974**

WTAP (NM_001270531) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WTAP (NM_001270531) 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:	>RG233974 representing NM_001270531 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCAACGAAGAACCTCTTCCCAAGAAGGTTTCGATTGAGTGAAACAGACTTCAAAGTTATGGCAAGAG
ATGAGTTAATTCTAAGATGGAACAATATGAAGCATATGTACAAGCTTTGGAGGGCAAGTACACAGATCT
TAACTCTAATGATGTAAGTGGCCTAAGAGAGTCTGAAGAAAACTAAAGCAACAACAGCAGGAGTCTGCA
CGCAGGGAAAACATCCTTGTAAATGCGACTAGCAACCAAGGAACAAGAGATGCAAGAGTGTACTACTCAA
TCCAGTACCTCAAGCAAGTCCAGCAGCCGAGCGTTGCCCAACTGAGATCAACAATGGTAGACCCAGCGAT
CAACTGTTTTTCTAAAAATGAAAGGTGAAGTGAACAGACTAAAGACAACTGGAAACAAGCCAAAAT
GAACTGAGTGCCTGGAAGTTTACGCCTGATAGCCAAACAGGGAAAAAGTTAATGGCGAAGTGTGCAATGC
TTATCCAGGAGAAATCAAGAGCTTGAAGGCAGCTGTCCAGGGACGATTTGCACAACCTGAAGCAGAGTT
GGCTTTACAGAAGAAATACAGTGAGGAGCTTAAAAGCAGTCAGGATGAACTGAACTGACTTCATCATCCAG
CTTGATGAAGAAGTAGAGGGTATGCAGAGTACCATTCTAGTTCTGCAGCAGCAGCTGAAGGAGACACGCC
AGCAGTTGGCTCAGTACCAGCAGCAGCAGTCTCAGGCCTCTGCCCAAGTACCAGCAGGACTACAGCTTC
TGAACCTGTAGAACAGTCAGAGGCCACAAGTAAAGACTGCAGTCGTCTGACAAACGGACCAAGTAATGGT
AGCTCTCCCGCCAGAGGACGTCTGGGTCTGGATTTACAGGGAGGGCAACACAACCGAAGATGACTTTC
CTTCTTCCAGGGAATGGTAATAAGTCCTCCAACAGCTCAGAGGAGAGAAGTGGCAGAGGAGGTAGTGG
TTACGTAATCAACTCAGTGCAGGGTATGAAAAGTGTAGACTCTCCACGGGCAGTGAAAACCTCTCTCACA
CACCAATCAAATGACACAGACTCCAGTCATGACCTCAAGAGGAGAAAGCAGTGAGTGGGAAAGGTAATC
GAACTGTGGGTTCCCGCCACGTTCAAGATGGCTTGGACTCAAGTGTAAATGTACAGGGTTCAGTTTTG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG233974 representing NM_001270531
Red=Cloning site Green=Tags(s)

MTNEEPLPKKVRVLSDFKVMARDELILRWKQYEAYVQALEGKYTDLNSNDVTGLRESEEKLRKQQQESA
 RRENILVMRLATKEQEMQECTTQIQYLKQVQPPSVAQLRSTMVDPAINLFFLKMKGELEQTKDKLEQAQN
 ELSAWKFTPDSQTGKKLMAKCRMLIQENQELGRQLSQGRIAQLEAELALQKKYSEELKSSQDELNDFIIQ
 LDEEVEGMQSTILVLQQQLKETRQQLAQYQQQSQASAPSTSRTTASEPVEQSEATSKDCSRLTNGPSNG
 SSSRQRTSGSGFHRENGTTEDDFPSSPGNGKSSNSSEERTGRGSGYVNLQLSAGYESVDSPTGSENSLT
 HQSNDTDSHDPQEEKAVSGKGNRTVGSRHVQNLDSVNVQGSVL

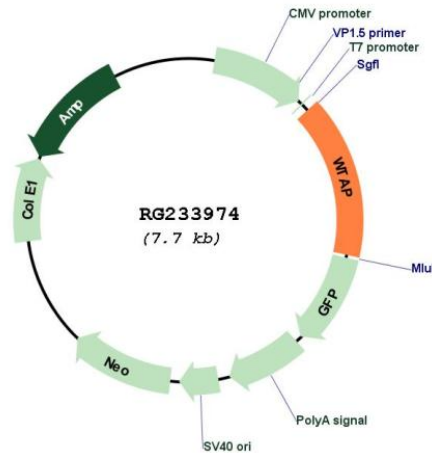
TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001270531

ORF Size:	1188 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:	NM_001270531.2
RefSeq Size:	2133 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]