

Product datasheet for **RC233974**

WTAP (NM_001270531) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WTAP (NM_001270531) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	WTAP
Synonyms:	Mum2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC233974 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGACCAACGAAGAACCTCTTCCCAAGAAGGTTTCGATTGAGTGAAACAGACTTCAAAGTTATGGCAAGAG
ATGAGTTAATTCTAAGATGGAACAATATGAAGCATATGTACAAGCTTTGGAGGGCAAGTACACAGATCT
TAACTCTAATGATGTAAGTGGCCTAAGAGAGTCTGAAGAAAACTAAAGCAACAACAGCAGGAGTCTGCA
CGCAGGGAAAACATCCTTGTAATGCGACTAGCAACCAAGGAACAAGAGATGCAAGAGTGTACTACTCAA
TCCAGTACCTCAAGCAAGTCCAGCAGCCGAGCGTTGCCCAACTGAGATCAACAATGGTAGACCCAGCGAT
CAACTGTTTTTCTAAAAATGAAAGGTGAAGTGAACAGACTAAAGACAACTGGAAACAAGCCAAAAT
GAACTGAGTGCCTGGAAGTTTACGCCTGATAGCCAAACAGGGAAAAAGTTAATGGCGAAGTGTGCAATGC
TTATCCAGGAGAAATCAAGAGCTTGAAGGCAGCTGTCCCAGGGACGTATTGCACAACCTGAAGCAGAGTT
GGCTTTACAGAAGAAATACAGTGAGGAGCTTAAAAGCAGTCAGGATGAACTGAACTGACTTCATCATCCAG
CTTGATGAAGAAGTAGAGGGTATGCAGAGTACCATTCTAGTTCTGCAGCAGCAGCTGAAGGAGACACGCC
AGCAGTTGGCTCAGTACCAGCAGCAGCAGTCTCAGGCCTCTGCCCAAGTACCAGCAGGACTACAGCTTC
TGAACCTGTAGAACAGTCAGAGGCCACAAGTAAAGACTGCAGTCGTCTGACAAACGGACCAAGTAATGGT
AGCTCTCCCGCCAGAGGACGTCTGGGTCTGGATTTACAGGGAGGGCAACACAACCGAAGATGACTTTC
CTTCTTCCAGGGAATGGTAATAAGTCCTCCAACAGCTCAGAGGAGAGAAGTGGCAGAGGAGGTAGTGG
TTACGTAATCAACTCAGTGCAGGGTATGAAAGTGTAGACTCTCCACGGGCAGTGAAAACCTCTCTCACA
CACCAATCAAATGACACAGACTCCAGTCATGACCCCTCAAGAGGAGAAAGCAGTGAGTGGGAAAGGTAATC
GAACTGTGGGTTCCCGCCACGTTGAGTGGCTTGGACTCAAGTGTAAATGTACAGGGTTTCAGTTTTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC233974 protein sequence
Red=Cloning site Green=Tags(s)

MTNEEPLPKKVRVLRSETDFKVMARDELILRWKQYEAYVQALEGKYTDLNSNDVTGLRESEEKQKQQQESA
 RRRENILVMRLATKEQEMQECTTQIQYLKQVQPSVAQLRSTMVDPAINLFFLKMKGELEQTKDKLEQAQN
 ELSAWKFTPDSQTGKKLMAKCRMLIQENQELGRQLSQGRIAQLEAELALQKKYSEELKSSQDELNDFIIQ
 LDEEVEGMQSTILVLQQQLKETRQQLAQYQQQQSQASAPSTRRTASEPVEQSEATSKDCSRLTNGPSNG
 SSSRQRTSGSGFHREGNTTEDDFPSSPGNGKSSNSSEERTGRGGSGYVNLQAGYESVDSPTGSENSLT
 HQSNDTSSSDHPQEEKAVSGKGNRTVGSRHVQNLGSSVNVQGSVL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6556_b12.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



* The last codon before the Stop codon of the ORF

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:

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](#)

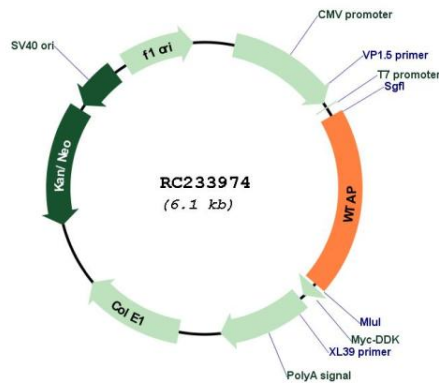
Cytogenetics: 6q25.3

Protein Families: Druggable Genome

MW: 44.2 kDa

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]

Product images:



Circular map for RC233974