

Product datasheet for **SC110076**

WTAP (NM_152857) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WTAP (NM_152857) Human Untagged Clone
Tag:	Tag Free
Symbol:	WTAP
Synonyms:	Mum2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_152857, the custom clone sequence may differ by one or more nucleotides

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ATGACCAACGAAGAACCTCTTCCCAAGAAGGTTTCGATTGAGTGAAACAGACTTCAAAGTTATGGCAAGAG
ATGAGTTAATTCTAAGATGGAAACAATATGAAGCATATGTACAAGCTTTGGAGGGCAAGTACACAGATCT
TAACTCTAATGATGTAAGTGGCCTAAGAGAGTCTGAAGAAAACTAAAGCAACAACAGCAGGAGTCTGCA
CGCAGGGAAAACATCCTTGTAATGCGACTAGCAACCAAGGAACAAGAGATGCAAGAGTGTACTACTCAA
TCCAGTACCTCAAGCAAGTCCAGCAGCCGAGCGTTGCCCACTGAGATCAACAATGGTAGACCCAGCGAT
CAACTTGTTCCTAAAAATGAAAGGTGAACTGGAACAGACTAAAGACAACTGGAACAAGCCCAAAAT
GAACTGAGTGCCTGGAAGTTTACGCCTGATAGGTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_152857 unedited CTTTCGGATTTTGTAAACACGATTTACTATAGGGCGGCCGCGCAATTCGCACCAGGCAGGGG TTGCGGCGGGACTAGGAGCGCGGGCCGGCGGCAGAGCTGTCCGGCTGCGCGGTGGC CCGGGGGCCCGGGCGGCAGGGCAAGCAGCGCGGCCTCGGCTATGCGACCGGTGGCGCC GGCGCGGCTTCTGCCTGGAGAGGATTCAAGATGACCAACGAAGAACCTCTTCCCAAGAAG GTTCGATTGAGTGAACAGACTTCAAAGTTATGGCAAGAGATGAGTTAATTCTAAGATGG AAACAATATGAAGCATATGTACAAGCTTTGGAGGGCAAGTACACAGATCTTAAGTCTAAT GATGTAAGTGGCCTAAGAGAGTCTGAAGAAAACTAAAGCAACAACAGCAGGAGTCTGCA CGCAGGGAAAAACATCCTTGTAAATGCGACTAGCAACCAAGGAACAAGAGATGCAAGAGTGT ACTACTCAAATCCAGTACCTCAAGCAAGTCCAGCAGCCGAGCGTGGCCCAACTGAGATCA ACAATGGTAGACCCAGCGATCAACTTGTTCCTAAAAATGAAAGGTGAACTGGAACAG ACTAAAGACAACTGGAACAAGCCAAAAATGAACTGAGTGCCTGGAAAGTTTACGCCTGAT AGGTAACAAATCATACTCCCCAGTCAAGACTTCCCTGACAGTCCCACTACGAGAAAGCT GTGGTGGGACAGCAAGTACTCGTTTCCACACCAAGACTCAGACTTTTTGAGCCAAAAA AAAGCACATTCTACACTGTCCAGTGTATGGTTAATGAAAACTACCAGATGAACC CTNGTGTTCAGCTTTTTCTTTTTCCCTTCCCTTGCTTCAGAGGCTGATGGCCGTCGA CTATTTGGAAGAAATGGCACCTCCGAAAAATCCCTNTAGACATGTAGACCTGGAGAA</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_152857 unedited ATACTATGNACGGCGCCGATTCTANGATCGAGTTTTTTTTTTTTTTTTTTTTCAGGCACAT TTAATTTAATATCAAGAGTGCAATACAAAAGGCCAAATACAATGAAGGAACACATTCCC CCATTAACACCAACGACAAAGCTCTTTTAAACATGTGCCTGTTGAATGGAACGGGGATTT CATAAAATTCACTAAAAAATAATGCAGTGAGTCTCATCACAGTAATATCCTTATACA ATCTAGTTGTGAAATGAATGTTTATAATGCTTCAAACAGTTTCAACCTGAAGTTTGATAC CACACCTTCATGTTTGTACAGTCCCTCAGTAAGATTATCTACAGTTTTTGAACCATTCAA AGAACAAACCATTTGAATAAAACCACATTGATTAAGGCTCAAGCAAGTAATATAGAGCCCC AAATAAATGGTTAAATATATGCGCTACTTGTACGGACATCTATTATTGATTCTCTCAT GACTATTGAAAGTTGGTTCTCAGCAAATAAACCTTTAAAGGCAAAATTCACCTCATTTG AGTTTTGACCCAGAAGTTCAACAACAATCATGAAGTCCACAGTCTATTGGCAAACTGA TACACAGTGTCTAAGTCACTATGCTCAAGGTTAAGAGCGATGCATATCCGTTTTTAC ATTTTACTGGAATTTTACATGTTCAATTCATGATTTAAATCTCTAGGTTTTTCATTCCTT CAAACTGTCTGAAGACACAGTGTGCCACAGACTTAAGACTTCTGTTTCCCTCTATTTT CTTCAAACAGAAACATTTCTCAAGTGTCTACATGTTCTAGAAGGGGAATTTTTTCGGAGT GGCCACTTNTCGGAATAGTCCGACGCCATCAGGCCTCTGGAAGCAGGGGAAAGGGGAA GAAAAAA</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_152857
Insert Size:	1750 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_152857.1](#), [NP_690596.1](#)

RefSeq Size: 1644 bp

RefSeq ORF: 456 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-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]

Transcript Variant: This variant (2) has alternate 5' and 3' end sequences compared to variant 1. Because of the frameshift and immediate translation termination, the resulting isoform (2) has a shorter and distinct C-terminus compared to isoform 1. Variants 2 and 3 both encode the same isoform (2).