

Product datasheet for **SC110077**

WTAP (NM_152858) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	WTAP (NM_152858) 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_152858, 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:	>OriGene 5' read for NM_152858 unedited NGGGGTGCGGGCATTTTGTACACGTTTACTATAGGGCGGCCGCGATTTCGGCACGAGCTTT CCTCTCCTGGCGGGGTTTCGGCGGGCGGGCGAGTGACTGCGGCCACGCTGAAAGGCGACTC TCCTGATTCAAGATGACCAACGAAGAACCTCTTCCCAAGAAGGTTTCGATTGAGTGAACA GACTTCAAAGTTATGGCAAGAGATGAGTTAATTCTTATATGGAACAATATGAAGCATAT GTACAAGCTTTGGAGGGCAAGTACACAGATCTTAACTCTAATGATGTAAGTGGCCTAAGA GAGTCTGAAGAAAACTAAAGCAACAACAGCAGGAGTCTGCACGCAGGGAAAAACATCCTT GTAATGCGACTAGCAACCAAGGAACAAGAGATGCAAGAGTGTACTACTCAAATCCAGTAC CTCAAGCAAGTCCAGCAGCCGAGCGTTGCCCAACTGAGATCAACAATGGTAGACCCAGCG ATCAACTTTGTTTTCTAAAAATGAAAGGTGAACTGGAACAGACTAAAGACAAACTGGAA CAAGCCCAAAATGAACTGAGTGCCTGGAAAGTTACGCCTGATAGGTAAACAAATCATACT CCCCAGTCAAACCTTCCCTGACAGTCCCACTACGAGAAAAGCTTGGGGGGGACAAGCAA GTCTTCGTTTCCCCCAAGACTCAAACTTTTGAGCCCCCTCGAAAAATTTCCCTTCT TAAACATGTAACCCCTTAAAAAAGTTCTGGTTGAAAAAATGGGGGGGAAACATAATCTT AAATCTTGGGGACACTGGGCTTTCCACCGTTTTGAGGTAGGAAACCCAGGTTTTAAACC TGAATTGACCTGTTAAATCCCGTAAAAGTGAACGGGAATGCCTCCCTTTAACTTTG CCATATGCT
Restriction Sites:	NotI-NotI
ACCN:	NM_152858
Insert Size:	1500 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:	<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_152858.1 , NP_690597.1
RefSeq Size:	1742 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 (3) has an alternate 3' end sequence compared to variant 1, that causes a 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).