

Product datasheet for **SC117177**

ZW10 (NM_004724) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZW10 (NM_004724) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZW10
Synonyms:	HZW10; KNTC1AP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC117177 sequence for NM_004724 edited (data generated by NextGen Sequencing)

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ATGGCCTCGTTCTGTGACAGAAGTTTTGGCACACTCCGGGAGGCTGGAAAAGGAGGATCTG
GGGACCCGGATCAGCCGCTGACCCGGCGGGTGGAGGAGATCAAGGGTGAGGTGTGCAAT
ATGATTAGCAAGAAGTACAGTGAATTCCTGCCTAGCATGCAGAGCGCGCAGGGCCTGATT
ACCCAGGTGGATAAGCTATCTGAAGACATTGACCTGCTGAAATCCAGGATAGAGAGTGAG
GTCCGCCGGGATCTTCACGTATCAACCGGTGAATTTACAGACTTAAAGCAGCAGTTGGAA
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GCACAGAAATGCTTGAAGTTATTTAAATCCAGAAAATGCTTTGATTTAAAAATATTGAAA
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TGGCAGAAGCTGATTGTATGGAAGTTCCCAACATCAAAGATACCAGCAGTTTGAATCT
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ATGCCACCCATCAGTTCTGTCTCTTGGCATTCTTCTGTTCTTGGAGAATACACAGCAAG
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TCCCTTATGCTGTGATAGAAAGCCAGCCTAACATAGTTATTATTCGTTTTGAATCTATA
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TGGGCAGATGAAAAGGACCCCTGGCAGCTGCGTTCTCTTCCAGTGAAGTAAAAGCTTTA
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Clone variation with respect to NM_004724.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_004724 unedited
 CCCGTCAGGATATGTAACCGATTTCATATAGGCGGCCGCGCAATTCGCACGAGGCTTGGCC
 TGGCCTCGTTCGTGACAGAAGTTTTGGCACACTCCGGGAGGCTGGAAAAGGAGGATCTGG
 GGACCCGGATCAGCCGCTGACCCGGGGTGGAGGAGATCAAGGGTGAGGTGTGCAATA
 TGATTAGCAAGAAGTACAGTGAATTCCTGTTTTTCATGCAGAGCGCGCAGGGCCTGATTA
 CCCAGGTGGATAAGCTATCTGAAGACATTGACCTGCTGAAATCCAGGATAGAGAGTGAGG
 TCCGCCGGGATCTTCACGTATCAACCGTGAATTTACAGACTTAAAGCAGCAGTTGGAAA
 GAGACTCAGTTGTCCTAAGTTTGCTTAAACAGTTGCAGGAGTTTTCCACTGCTATTGAAG
 AATATAATTGTGCATTAACAGAGAAGAAGTATGTCACTGGTGCTCAGCGTCTGGAAGAGG
 CACAGAAATGCTTGAAGTTATTAATAATCCAGAAATGCTTTGATTTAAAAATATTGAAAT
 CTCTCAGCATGGAGCTCACAATACAGAAACAGAACATACTTTATCACCTTGGAGAAGAGT
 GGCAGAAGCTGATTGTATGGAAGTTCCACCATCAAAAGATACCAGCAGTTTGAATCTT
 ACCTACAACTGAACTTCATTTATACACTGAACAATCGCACAAAGAGGAGAAGACCCCTA
 TGCCACCATCAGNTTCTGTCTCTTGGCATTCTTCTGTTCTGGAGAACTACACAGCAGC
 CTAATCATTTGGGCAGATGCTGCTGTAGTATATACTTAGCCCGCTGGCATCTTGCCCAT
 CCCTTATGCTGTGATAGAAGCCACCCTACATAGTTATTATTTCGCTTTGAATCTATAAGAC
 T

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_004724 unedited
 GGACCGCGGGCCGAATCTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTAAAT
 TGTAAGAAAGCAATATTTATTGGGAAAAAATATTACAGGGAAGTCTCCCTTAATTCCTGT
 AAGGCCAAATATGGGGGCCATTCTCCCTTCCCTCCTCCACACCCCTAAAATATCTCC
 GATTTGCTCAAAAATTCTCTACCCTGACTCCTGGAATCTCCCAATTCCTCGTTCCAAAGC
 TAGGGCCTGCATTTACAATGTATATAGCTCCCAAAGGGCTCTGGAAGCAGCATGAAATAA
 TGCTGCCTGACAGTTTGTAGCTAATCAAAGGAAGATGGCTAGAAAGTCAATGAATTGAG
 GTGCTTTACTTGACAATTTATCTTAATAAACAGTTCTTAACAAAGCCTCGTACAGGCCA
 GGAGGTAAAGACGTTCTTCTGTAAAGTCAAACCTCCAAGATGTACTGGTTCACCAAAACCA
 ATGGGCGATTCAAAGAAGCTTTAAGGGAGTAATTATGCCAAGGGAAGAATCCACATATT
 CAAGACATAGCTTTCTTAAGAAGATGGAGCTATTTAATTTTAGCAAGGGCAGCTGCTCTT
 CTTTCTGTGTTCTGAAACAAGGCACGAATTAAGCTTTTACTTTACTGGGAAGAAAACGC
 ACCTGCCCAGGGTCCTTTTCCATCTGCCACCCGAACCCCAATTTCTTGCAAGCTGCTTGG
 AACACATCAACAATTCCTGGAATGGCATCCATTTTGCCCTACACTGGAACCTTTTCTG
 AAAATTCTTTGCCCTGCCTTCTACAAAAAAGGGCAATCCTTGGGCCCTTCACCCACA
 CTGTTTTGCCAAGGGATATACCTCTCCCCTCCTCCACACATAGCTCCCTTAGGCATAATT
 TCTCCAT

Restriction Sites:

NotI-NotI

ACCN:

NM_004724

Insert Size:

2920 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:	<u>NM_004724.2, NP_004715.1</u>
RefSeq Size:	2900 bp
RefSeq ORF:	2340 bp
Locus ID:	9183
UniProt ID:	<u>O43264</u>
Cytogenetics:	11q23.2
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a protein that is one of many involved in mechanisms to ensure proper chromosome segregation during cell division. This protein is an essential component of the mitotic checkpoint, which prevents cells from prematurely exiting mitosis. [provided by RefSeq, Aug 2011]