

## Product datasheet for SC110227

### ZWINT (NM\_007057) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZWINT (NM_007057) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZWINT
Synonyms:	HZwint-1; KNTC2AP; SIP30; ZWINT1
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC110227 sequence for NM_007057 edited (data generated by NextGen Sequencing)

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ATGGAGGCAGCGGAGACAGAGGCCGAAGCTGCAGCCCTAGAGGTCTGGCTGAGGTGGCA
GGCATCTTGAACTGTAGGCCTGCAGGAGGAGGCAGAACTGCCAGCCAAGATCCTGGTT
GAGTTTGTGGTGGACTCTCAGAAGAAAGACAAGCTGCTCTGCAGCCAGCTTCAGGTAGCG
GATTTCTGCAGAACATCCTGGCTCAGGAGGACTGCTAAGGGTCTCGACCCCTTGCT
TCTGAAGACACGAGCCGACAGAAGGCAATTGCAGCTAAGGAACAATGAAAGAGCTGAAG
GCCACCTACAGGGAGCACGTAGAGGCCATCAAAATTGGCCTACCAAGGCCCTGACTCAG
ATGGAGGAAGCCCAGAGGAAACGGACACAACCTCCGGGAAGCCTTTGAGCAGCTCCAGGCC
AAGAAACAATGGCCATGGAGAAACGCAGAGCAGTCCAGAACCAGTGGCAGCTACAACAG
GAGAAGCATCTGCAGCATCTGGCGGAGGTTTCTGCAGAGGTGAGGGAGCGTAAGACAGGG
ACTCAGCAGGAGCTTGACAGGGTGTTCAGAACTTGAAACCTGAAGCAGCAGGCAGAA
CAGGAGCGGGACAAGCTGCAGAGGTATCAGACCTTCTCCAGCTTCTGTATACCTTGCA
GGTAAGCTGTTGTTCCCTGAGGCTGAGGCTGAGGCAGAGAATCTTCCAGATGATAAACCC
CAGCAGCCGACTCGACCCAGGAGCAGAGTACAGGAGACCATGGGGAGAGACCCCTGGT
GTGTCCTCAAGGCTGTTGGTCTACAACCTGCTGGAGATGTAATTTGCCATGA

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Clone variation with respect to NM\_007057.3



[View online »](#)

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_007057 unedited  
 GATACGACTACTATAGGCGGCCGGAATTCGGCACGAGGGCGCCTGGAAAGATGGAGGCA  
 GCGGAGACAGAGGCGGAAGCTGCAGCCCTAGAGGTCTGGCTGAGGTGGCAGGCATCTTG  
 GAACCTGTAGGCCTGCAGGAGGAGGCAGAACTGCCAGCCAAGATCCTGGTTGAGTTTGTG  
 GTGGACTCTCAGAAGAAAGACAAGCTGCTCTGCAGCCAGCTTCAGGTAGCGGATTTCTG  
 CAGAACATCCTGGCTCAGGAGGACACTGCTAAGGGTCTCGACCCCTTGGCTTCTGAAGAC  
 ACGAGCCGACAGAAGGCAATTGCAGCTAAGGAACAATGGAAAGAGCTGAAGGCCACTAC  
 AGGGAGCACGTAGAGGCCATCAAAATTGGCCTACCAAGGCCCTGACTCAGATGGAGGAA  
 GCCCAGAGGAAACGGACACAACCTCCGGGAAGCCTTTGAGCAGCTCCAGGCCAAGAAACAA  
 ATGGCCATGGAGAAACGCAGAGCAGTCCAGAACCAGTGGCAGCTACAACAGGAGAAGCAT  
 CTGCAGCATCTGGCGGAGGTTTCTGCAGAGGTGAGGGAGCGTAAGACAGGGACTCAGCAG  
 GAGCTTGACAGGGTGTTCAGAACTTGGAAACCTGAAGCAGCAGGCAGAACAGGAGCGG  
 GNACAGCTGCAGAGGTATCAGACCTTTCTCCAGCTTCTGTATACCCTGCAGGTAAGCT  
 GTGTTCCNTGAGCTGANGCTGANGCAGAGAAATCTTCAGATGATNNAACCCAGCAGCCG  
 ACTCGACCCAGAGCAGAGTACAGGAGACACCATGGNGAGAGACCCTGGNTGTGCTCTTT  
 CAGGGCTGNTNGTCTACACCTGCTGGAGATGTAAANNTTGCATGACTTNTGNNAGACGC  
 AGCATGGAGAAAGACCTANAAAGCCTCTGACTTNCCTCC

**3' Read Nucleotide Sequence:**

>OriGene 3' read for NM\_007057 unedited  
 GGCCGCAATCTATAGTCGAGTTTTTTTTTTTTTTTTTTTAACTTAAATATTTATTTGAGA  
 AAACAAATAAAGATCCAAATACGTGAGTTGATCATCTGATAAAAAGTAAGAGTTGACAAAA  
 AAGGTACATCTTCTCCAATCCGAAAACAGAAAGTGGGAAAGATCAAGGTATCACTAGAGG  
 TCAATGAAACAAAACATACAATAGTGGATGACAAAAGCCAATCTCTGAATCTTTGAAAAG  
 AATATAATAAATGAACATCTGAAACCAGTGATCGAGAAATGTTTTAGATAAGGCACAAAA  
 AGATACCAAGAATGTAAACACTAGGCTGTACATCCTAAAACAGTCAGATGAGCTCACTGT  
 TATAATTTCTGGTTCACCGCAAGAACCTTAGCACAAAGAAAGGACTCAACAAAACATTTGGA  
 TCCATGAATAAAATTATCTTCCACATATAACCACTGCCTAAAACATTCTCCTCCTCCT  
 TGAATTAATTCACCATGTCTGCATCATAGGAGGCCCAAGGCCAGTACCCCTCCCATC  
 TGCACACCCTGTGTTCAAACCAGTCCCAGCTCCTGTATGTTATTGGCTTCTGAGTATCT  
 GTATTAATAGTTGCTCCTGCCAGCATATGAAGATGAACATATACACAAGTGAAGAGATC  
 CAGGGATTTTAAATCCACAGATGCCAGAGCTTGTGGGATGTAGTCAGAAATCAAAGCTGA  
 ACTCANGAGCCACAGTCTTCTGTAATGATGTTGGGAGGTGAGGGAAGTAGAAGCCT  
 TTTCCAGGATCTTCTCAGCTGCTGCCTNCAGAAAGCATGCAAATTACATTCAGCAGTTGT  
 GAACACAGCCTTGAAGACAACAGGTCTCTCCAAGGGGCTCCGACTCTGCTCCTGGGCGA  
 GGCGCTGCTGAGGTTATATCTGGAAATTTGCCTACCTAGCTAGGAACACAGTACCTGCA  
 GTTTC

**Restriction Sites:**

NotI-NotI

**ACCN:**

NM\_007057

**Insert Size:**

1700 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\\_007057.3](#), [NP\\_008988.2](#)

**RefSeq Size:** 1687 bp

**RefSeq ORF:** 834 bp

**Locus ID:** 11130

**UniProt ID:** [O95229](#)

**Cytogenetics:** 10q21.1

**Protein Families:** Druggable Genome

**Gene Summary:** This gene encodes a protein that is clearly involved in kinetochore function although an exact role is not known. It interacts with ZW10, another kinetochore protein, possibly regulating the association between ZW10 and kinetochores. The encoded protein localizes to prophase kinetochores before ZW10 does and it remains detectable on the kinetochore until late anaphase. It has a uniform distribution in the cytoplasm of interphase cells. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]

Transcript Variant: This variant (1) is the predominant transcript and differs in the 3' UTR compared to variant 2. Variants 1 and 2 both encode isoform a.