

## Product datasheet for **MC226589**

### Zwint (NM\_001293684) Mouse Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Zwint (NM\_001293684) Mouse Untagged Clone  
**Tag:** Tag Free  
**Symbol:** Zwint  
**Synonyms:** 2010007E07Rik; 2600001N01Rik; D10Ert749e; Zwint-1  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**Fully Sequenced ORF:** >MC226589 representing NM\_001293684  
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGGATCGCC**

ATGGCGGACGCGGAGAAAAACGCTGTTGCGGAGAAAAACAACGCTGTTGCGACGAAAGAGGTTCTGGCTG  
AGGCAGCAGCCATTCTAGAACCTGTAGGCTTGCAGGAAGAAGCAGAGCTGCCTGCCAAGATCATGGAGGA  
GTTTATGAGGAACTCGCGGAAGAAAGACAACTGCTCTGTAGCCAGCTTCAAGTAGTGAACCTTCTACAG  
ACTTTTCTGGCTCAGGAGGACACTGAGCAGAGCCCTGATGCTCTGGCTTCTGAAGATGCCAGTCGGCAAA  
AGGCAACTGAAACTAAGGAGCAGTGAAGGACATGAAGGCCACATACATGGATCAGTGGATGTCATAAA  
ATGTGCCCTGTCTGAGGCCTTACCCAGGTTAAAGAGGCTCACAGGAAGTACACAGAGCTTCAGAAGGCT  
TTTGAGCAACTCGAGGCTAAGAAGCGAGTCCTTGAGGAGAACTTCAGCTGGCTCAGAAGCAGTGGGTAC  
TGCAACAGAAGCGTTTGCAGAACCTGACAAAGATTTCTGCAGAGGTCAAGAGGCGCCGGAAGAGGCTCT  
GGAGAAGCTTGACGGATCCCATCAGGAAGTGAAGCAGCAAGCGGGCAGGAACAGGAGAAG  
CTGCAGAGGAACCAGAGCTACCTCCAGCTGCTGTGTTGCTGCAGAATAAGCTGGTCATCTCTGAGGGCA  
AGGCTGAGGACAAAGATGTGAAAGGGCGAGCCCTTACAGCCAAATCCAAATCTCCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_001293684  
**Insert Size:** 759 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001293684.1</a></u> , <u><a href="#">NP_001280613.1</a></u>
<b>RefSeq Size:</b>	1816 bp
<b>RefSeq ORF:</b>	759 bp
<b>Locus ID:</b>	52696
<b>UniProt ID:</b>	<u><a href="#">Q9CQU5</a></u>
<b>Cytogenetics:</b>	10 37.15 cM
<b>Gene Summary:</b>	<p>Part of the MIS12 complex, which is required for kinetochore formation and spindle checkpoint activity. Required to target ZW10 to the kinetochore at prometaphase (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 3' UTR, compared to variant 1. Variants 1, 2, and 3 encode the same protein.</p>