

Product datasheet for **MC206234**

Zw10 (BC012435) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zw10 (BC012435) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zw10
Synonyms:	6330566F14Rik; MmZw10
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC012435
 CGCTGGCAGCGGGGTTGACCTATCCTGTTTGTGTGGGTACGCTTCGTGGCGATGGCCTCTTTCTGTGACAG
 AAGTCTTGGCCCACTCGGGGAGCCTGGAGAAGGAGGATCTGGGCACCAGGATCAGCCGCCTGACCCGGCG
 GGTGGAGGAGATCAAGGGTGAAGTATGCAATATGATCAGCAAGAAGTACAGTGAGTTCTGCCTACCATG
 CAGAGTGCGCAGGCCCTAGTTACCCAGGTGGACACTCTATCTAACGACATCGACCAGCTGAAATCCAGGA
 TAGAGACTGAGGTCTGTCTGGGATCTTACATATCAACTGTTGAGTTTACAAACCTGAAGCAGCAGCTGGA
 AAGAGACTCTGTAGTCTAACTGCTCAAACTCAAGAGTTTCCCTCTGCTATTGAAGAGTATAAC
 AGTGCGTTAGCAGAGAAGAAGTACATCCCTGCTGCTCGGCACCTGGAGGAGGCTCAGGAGTGCTTGAAGT
 TATTAAAGTCCAGAAAATGCTTTGACTTAAAAATGTTGAAGTCTCTCAGCATGGAGCTCACCGTGCAGAA
 GCAGAACATACTGTACCACCTGGGAGAAGACTGGCAGAAGCTGGTTGTATGGAAGTTTCCGCCGGCAAAA
 GATACCAGCAGCTTAGAGTCTTGTCTACAAACAGAGCTTCATTTATGCACTGAGCAGCCGGAGAAAGAGG
 ACATGACTCCTCTGCCGTCCATCAGTTCTGTCTCTTGGCCTTTTCCATTCTTGGAGAATTACCCACCAA
 GCTGAAGTCATTTGGTCAGATGCTGCTGAAGTATATCCTTAAGCCTCTGGTGACCTGCCCGTCGCTCCAT
 GCTGTGATTGAAAGGCAGCCAAGTTCAGTTAGCATTTGTTTCGAGTCTCTGACGACGGACTTGGAACACC
 CATCACCACCCGAAGCTTTTGCAAGATCCGATTGGTCTGGAAGTGCTCCAGAAACAGCTTCTAGATTT
 GCCTCTTGATGCTGACCTAGAAATTGAAAAAGTCCCTGGGATCGTGTGGCTGAGATGCTTGGTGAGGGG
 ATCTGGGAGGACCTTTCTGAGTGCTCATCAGAACTGCTTGGTTTACTCTATTTCCACAAAACAGCAGCA
 AGCTCCAGGAATACGAAGAGATTATACAGTCCACAGAAGAATTTGAAAAGTTCCTAAAGGAGATGAGGTT
 TTTAAAAGGCGATACTACTGACTTGCTGAAATATGCTCGCAATATCAATTCTCATTTTGCTAATAAGAA
 TGCCAGGATGTGATTGTGGCGGCTAGAAATCTCATGACCTCTGAGATTCACAACACTGTCAAGATTGGTC
 CCGATTGTAAGGAAGCCTTACCAGACTTACCCAGTCTGATGCTGATCACAAGCTACAAGTACAGACGGT
 CTGCAAAAGCGCAGTTACCGACGCCGGGAACCTAGAGCCTGAGACTTCTCTGGACCCTCAGTCTTTTCT
 TTACCCACGTGCCGCATCAGCGAGGCTGTGAAGAAGTTAATGGAGCTCGTTATCAGACTTTACTTGAGG
 CAACAACAAGTAGCGACCAATGTGCTGTCCAGCTTTCTACTCAGTGAGGAATATCTTCCATTTGTTCCA
 TGATGTGGTACCACATACCACAAGGAGAACCCTCGGAAGCTCCCCAGTTGGCTGCCATTACCCACAAC
 AACTGCATGTATATTGCTCACCCTTGCTGACCCTCGGTCATCAGTTCAGATTGCGGCTCGCCCCCATCC
 TTTGCGATGGCACGACCACCTTTGTGGATCTGTACCTGGCTTCAGAAGACTTGGGACGGAGTGCTTTTT
 GGCCCAATGCAGGCACAGAAAGGAGAACCCTTGGAGAGATTGTCAAGTGCTAGAAGCTTTGCGAACATG
 GACGACGAAGAGAATTACTCTGCAGCGAGCAAGGCAGTGAGGCAGGTGCTGCACCAGCTAAGGAGACTTG
 GGATCGTGTGGCAGGATGCTCTGCCAGTGAACATATACTGCAAGGCCATGGGACCTTGCTGAACACAGC
 GATTGCTGAGATGATGAGCAGGATCACTGCTCTAGAGGACATCTCGACTGAAGATGGTGATAGATTGTAT
 TCCTGTGCAAAACAGTGATGGATGAAGGTCCACAAGTGTTCACCTCTGTCTGATGAAAAACAAAACA
 AGAAATACCAAGAAGAGGTTCCCGTCTATGTGTCCAAATGGATGCCTTTCAAAGAAGTCTATGATAATGCT
 ACAAGCTAGCTTGCAAGAAATTGGAGATCGGTGGGCAGATGGAAGAGGGCCCTGGCAACTGCATTCCCT
 TCCAGCGAAGTCAAAGCTTTAATCCGTGCCTTGTTCAGAACACAGAAAGAGAGCAGTGCCCTTGCTA
 AGATTAAATAGCTCCTCCTTGGAGAAAGGCTCCTGACTCTGGGTTCTCTCTTTGGTGTAATTATTTCC
 TTCAAAACCTCTCGGAATTACTTGTGGTTTTGGTGAGCCAGTATATCATGGAAGCGTAACCTTACATAA
 GGACATCCTTGCTGGACGAAGGTTTTCTGAACTGGACATTACGATGATCAATTTACGCAAGCACTGGT
 GGGTTCAATTGACTGTCTGCTGCTCCCTTGTCAGTATGAGTCTGCTCCGAGTGATTTGTTCCAGG
 CCCTCTTGAGAGTTGTATACATTATAATTTTAGACCCTGGCTTTGGACATTCCAAAGTTAGGGTTAGAA
 TTTGTAAATACGTTTTTTGAGGGGGTGGGCATTAAGGGCACATTACTGTTCTTACAAGAATTACAGA
 AACCTCTTAAATATTTCTTCCAGTAAATGCCTTTCAGAGTTGAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: BC012435
Insert Size: 2340 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC012435, AAH12435</u>
RefSeq Size:	2866 bp
RefSeq ORF:	2340 bp
Locus ID:	26951
Cytogenetics:	9 A5.3
Gene Summary:	Essential component of the mitotic checkpoint, which prevents cells from prematurely exiting mitosis. Required for the assembly of the dynein-dynactin and MAD1-MAD2 complexes onto kinetochores. Its function related to the spindle assembly machinery is proposed to depend on its association in the mitotic RZZ complex. Involved in regulation of membrane traffic between the Golgi and the endoplasmic reticulum (ER); the function is proposed to depend on its association in the interphase NRZ complex which is believed to play a role in SNARE assembly at the ER (By similarity).[UniProtKB/Swiss-Prot Function]