

Product datasheet for **MC204160**

Zwilch (NM_026507) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zwilch (NM_026507) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zwilch
Synonyms:	2310031L18Rik
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC027435
CACGGCGGTATGTGGTCGCGAATGAACCGCGCGGCGGAGGAGTTTTATGCTCGTCTCCGGCAGGAATTTA
ATGAAGAGAAGAAAGGAGCCTCTAAAGACCCATTCATCTATGAGGCTGATGTACAAGTGCAGTTGATCAG
CAAAGGCCAACCAAGTCTTCTGAAAATATTCTAAATGAAAATGACTCAGTGTCTCGTGGAAAAAGTG
GTTTTGGAGAAGGAAGAAACAAGTCAAGTTGAAGAAGTGCAGTCTGAAGAACTGCTATTTCTGATCTCT
CTGCTGGTGAAAAATATTAGGCCACTGGCCTTACCTGTTGGGAGAGCAAGGCAGTTAATTGGGCTTATAC
CATGGCTCACAACTCCTAATATGACTCATCTGAAGATTAAGCAGCCAGTGACAGCCCTTCCCTCTTTGG
GTGAGATGTGACGGTTCAGATCCTGAAGGTACCTGTTGGCTAGGAGCTGAGCTTATCACAACAAATGACA
TCATTGCAGGCGTTATCCTGTATGTGCTCACTTGTAAAGCTGATAAAAAATTAAGTCTGAAGATCTGGAAAA
TTTAAAAACTTCACACAAGAAAAGACATCACGTGTCTGCTGTGACAGCCAGAGGCTTTGCCAGTATGAG
CTCTTTAAGTCTGACGACTTGGATGACACTGTTGCCCATCACAACTACAGTCACGCTGGACCTTCTCT
GGAGCCCTGTGGATGAGATGCTCCAAACCCCTCCCTGTCTTCAACTGCAGCTCTGAATATCAGAGTACA
ATCAGGAGAGTCCAGAGGTTGTCTGAGTCATCTCACAGAGAAGTGAATTTCTCCTTGTTTAGCTGAT
GGCATCAGGACTGGTGAATGAATGGCTTGGACCTCTGGAACAAAATCTGCTCTTGAATTTGTTTCAGG
AATTTCTGAATGACTTAAATAAACTGGATGAATTTGATGATTCTACAAAAAAGATAAACAAAAAGAGGC
AGTGAACCATGACGCAGCTGCAGTTGTCAGGTCCATGCTTCTACCGTGCAGGGGGATCTCGATTTTGCT
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TCCTGCAGAGTCTTACGCGTGGTATATACAGCCATGGTTGCACAGTGAAGTAACAGTTTACTAAGTAA
ACTCATTATCAGTCTTACCATGGAGCTATGGACAGTGTCCCTCTCTCTGGAAGTACCCCACTGCAGATG
CTTTTGGAAATTTGGTTGGACAACTGAAGAAAGATTATATCAGCTTTTTTGTGAGTCAAGAACTTTCAT
CTTTGAATCATTTGGAATACTTCATTTTCCCTCAGTATCGACACAGGAACAGGTTTGGCGTTCAGAA
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TCTTTAACACAATCCTGCATAAAAATTTATAAACAAAATCCTCTTGATGAGCAACACATTTTTTCAGTTGC
CAGTCAGACCAGCTGCTGTCAAGAATTTGTATCAAAGTGAGAAGCCGAGAAAATGGAGAGTGGAGCTCAG
CAATAGTCAGAAGAGGGTGAACAAGTGTGGCAACTGAGTGACAGCTCCCTGTAGACCATTCCAGTTTC
CACAGGCTGAGTTTCTGAGCTGACACTGAATGGTAGTCTGGAAGAAAGGACAGCCTTCGTTAACATGC
TTACCTGCAGCCAGGTGCACTTCAAGTAATGCGCACTGCGGGCCCTTGCAAAGGGTCTTCTCTCCGCACA
AAACAAAAGGGGAAAAGAGTGAATTTTTCAGAGCCTGAAAAATAGACATCACGTGAACCTTCTGCA
GCAGAAAAGAAGAGTATCCTGAAGAGATGCTTTGACAGATGAAGGTGGAGAGGAGATCCCGTCTCAGCC
ACGTCTCCTGAGGAGAAGTGTGAGCATCAGGGCAGCAGTGAAGTGGAGAGGGCGCAGACTGTGGGGACC
ACAATCTCTGAAGCCACGTGCATGTGCCTAAGCAAGGGCTCTGAAAGGGACAGATACATCCACCAGAAGT
GAGCTGTGTTTTGAAACAAAAGCTAAAGGAGATGGGCCACTGCGTTTTCTAATTTTTCTTATTTGTTGTA
AAGTGAACCAAGTAAATCAAACATTATTTTGAATGGAGTTTTGGAGCCATGGGACAAAGGCATCATGTTT
ACTTGGTATGCACACAGCTTTTGGGAATCCTTACCATCACAAAACTTACATCAGTGTGGAATGTAA
CAGAAAATCTGGGGATGCCTGACTTTGGTTATTTCCCTGGTATTTTATTAAGCTTGAGTATGGTTAATAT
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AATATTTTTAACTGGGCATGGCAGTACACACCTTAAATCCCAGCACTGAGGAGGCAGAGGGCGCCTGGTC
TACAGAGCAAGTCCAGAAAAACCACAGCTACACAGAGAAACCTGTCTCAAAGGAAAGACAAAAAGAA
TCCCTGGGAAACATTTTCAGCTTTTTTCAGTTTGTATTCTCAATACTTATATCCTCATATATTACAAT
TTCTAATGGTAATTCTAATACTTATTTCTTTGTAACACAAAAATTAAGTAAATGTTAAATTTTGTAT AAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_026507
Insert Size: 1770 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:	<u>BC027435</u> , <u>AAH27435</u>
RefSeq Size:	2745 bp
RefSeq ORF:	1770 bp
Locus ID:	68014
UniProt ID:	<u>Q8R060</u>
Cytogenetics:	9 C
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 (By similarity).[UniProtKB/Swiss-Prot Function]