

Product datasheet for **MC228890**

Zer1 (NM_001290503) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zer1 (NM_001290503) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zer1
Synonyms:	C230075L19Rik; Zyg11bl
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228890 representing NM_001290503
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCGTCTGACACGCCCGAGTCCCTGATGGCCCTCTGTACTGACTTCTGTCTCCGGAATCTTGATGGCA
 CCCTGGGCTACCTCCTGGACAAAGAGACCCTGCGGCTGCATCCAGACATCTTCTTGCCCAGTGAAATCTG
 TGACCAGCTGGTCAATGAGTATGTGGAGCTGGTCACTGCTGCCTGCACCTTTGAGCCACACGAGACTTTC
 TTCAGCCTCTTCTCAGACCCCCGAGTACTCGGCTCACTCGCATCCACCTTCGTGAGGACCTGGTGCAGG
 ACCAGGACCTGGAAGCCATTGCAAAACAGGACCTGGTGGAGCTTACCTGACCAACTGCGAGAAGCTGTC
 CGCAAGAGCCTGCAGACACTGCGGAGCTTCCGACACAGTCTGGTGTCTTGGTCTCTCCGGCTGTGCC
 AACATCTTCTATGAGGAGACAACCCAGGCGGCTGTGAGGATGAGTGCCTGGTCAACCCACCTGCCAGG
 TGCTGGTCAAGGACTTACCTTCGAGGGCTTCAGCCGCCTGCGCTTCTCAACCTGGGCCGATGATTGA
 CGGTATCCCCGTAGAGTCACTGCTTCGGCCACTCAACTCCCTGGCCGCTTGGACCTCTCAGGCATCCAG
 ACAAGTATGCCACTTTCCTAACACAGTGAAGGACAGTCTGATGTCCCTTGTGCTCTACAACATGGACC
 TTTGAGATGACCACATCCGTGTATTGTCCAGCTGCACAAGCTGCGCCACCTGGACATCTCCCGAGACCG
 CCTCTCCAGCTACTACAAGTTCAAGTACTCGGAAGGTGCTCAGCCTCCTAGTGCAAGAGCTGGGGAAC
 CTAATGTCACTGGACATCTCTGGTACATGATCCTAGAGAAGTGCAGCATCTCCAAGACAGATGAGGAGG
 CAGGGCAGACCAGCACCAGCCATCCAAGAGCAGCATCATGCCCTTCCGGGCTCTGAAGAGGCCACTGCA
 GTTCTTGGGCTCTTTGAGACCTATTGTGTCGTTACGCACATTCCAGCCTACAAAGTGAAGTGGTGGTGC
 AAAATGAAGAGCAGGTGCTGAACGCCATCGAGGCCTACACAGAGCACCAGCCGAGATCACATCCAGGG
 CCATCAACCTGCTGTTTGACATTGCACGCATTGAACGCTGAACCAAGTCTTCTGCGGGCCCTGAAGTGGT
 CATCACAGCCCTCAAGTGTACAAGTATGACAAAAACATTCAGTGAACCGCAGTGTGCCCTCTTCTAC
 CTGACCAACTCCGAGTACCGCTCGGAGCAGAGCGTCAAGTTGCGGCGGCAGGTATCCAGGTGGTGTGA
 ATGGCATGGAGTCTACCAGGAGGTGACGGTGCAGCGAACTGCTGTCTGACCCTCTGCAACTTCAGCAT
 CCCCAGGAACTGGAGTCCAGTACCGCCGGTGAACGAGCTGCTGCTGGGCATCCTCAGCCCCACGCGT
 CAGGACGAGTCAATCCAGCGGATCGCTGTGCATTGTGCAATGCCCTGGTCTGCCAGGTGGACAATGACC
 ATAAGGAGGCTGTAGGCAAGATGGGCTTCGTGTCGACCATGTTGAAGCTGATCCAGAAGAACTGCTGGA
 CAAGACGTGTGACCAGGTGATGGAGTTCTCCTGGAGTGTCTGTGGAACATCACAGATGAGACACCTGAC
 AACTGCGAGATGTTCTCAACTCAATGGCATGAAGCTCTTTCTCGACTGCCTGAAGGAGTTCACAGAGA
 AGCAGGAGCTACACCGTAACATGCTAGGGCTCTTGGGGAATGTGGCAGAGGTAAGGAGCTGCGACCTCA
 GTTGATGACCTCCAGTTCATCAGCGTCTTCAGCAACCTGCTGGAGAGCAAGGCCGACGGCATTGAGGTT
 TCTTACAACGCCTGTGGTGTCTCTCACATCATGTTTGATGGGCTGAGGCCTGGGGTGTCTGTGAAC
 CTCAGAGGGCAGAGGTGGAGGATCGTATGTGGGCGGCCATCCAGAGCTGGGATATCAACTCCCAGGAA
 TATCAACTACAGGTCCTTTGAGCCAATCCTCCGCCTCCTCCCGAGGATTTCTCCAGTCAGCCAGCAC
 TGGGCCACCTGGGCCCTGTACAACCTCGTGTCTGTCTACCCTGACAAGTACTGCCCCCTGCTGATTAAG
 AAGTGGGATGCCCTGCTGAGAGACTTGATCAAGATGGCAACTGCCCGCAGGAAACCAAGGAGATGCC
 CCGCAAGGTGATTGAGCACTGCAGTAACCTTTAGAGAGGAGAACATGGACACGTCCAGAT**AG**

AGCGGACCGACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_001290503
Insert Size: 2301 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).
OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001290503.1 , NP_001277432.1
RefSeq Size:	4241 bp
RefSeq ORF:	2301 bp
Locus ID:	227693
UniProt ID:	Q80Z16
Cytogenetics:	2 B
Gene Summary:	Probably acts as target recruitment subunit in the E3 ubiquitin ligase complex ZER1-CUL2-Elongin BC.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 5' coding region, compared to variant 1, resulting in an isoform (b) that is shorter than isoform a.