

Product datasheet for **MC228633**

Zbtb33 (NM_001079513) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb33 (NM_001079513) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zbtb33
Synonyms:	AW260253; E130014G12Rik; Kaiso; Znf-kaiso
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC228633 representing NM_001079513
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAGTAGAAAAGTCTGTTCTGCTACAGACATTCAGTACTCTGCCAGTCTGCTGAACCTCTGAATG
 AACAGCGTGGCCATGGTCTCTTTGTGATGTTACTGTTATTGTGGAAGACCGAAAATTCGGGCCATAG
 GAACATCCTTTCAGCCTCGAGTACATACTTCCATCAGCTCTTCTCAGTTGCTGGCAAGTTGTTGAAC
 AGCTTTATAAGAGCTGAGATTTTGCAGAAATCTGAACTATATCTACAGTTCCAAAGTTGTCGGTGA
 GAGCAGATTTGCTTGACGAGTTAATTAATCAGGGCAGTACTAGGCGTAAAATTTATAGCAGAGCTTGG
 TGTCCCACTGTCACAGGTTAAAAGCATATCAGGTACAGAACAGGATGGTACTGCTGAGACCTTACCTTCT
 AGTTCTAGTGACAAAAGCCTTGACATGGAAAAATCAAAGATGAAGCCCAAGATAATGGGGCTACAGTAA
 TGCCCATATAACTGAGTCTTTTCACTATCTGCTGAAGATAATGAAATGAAAAAGATCATTGTTACTGA
 CTCAGATGATGATGATGACGATGTCATTTTCTGCTGAAATTTTGCCTGCAAAGGAGGATTTGCCA
 AGTAACAACACAGCAACACAGGTCCAGCCTAACCCAGCCTCTGTTGCTATTTTCGGAAGTGACACCTTGGC
 CTAGCAATAACTCGCCCCCTGTAAACAAACATCACACCTACTCAACTTCCCACTCCTGTGAATCAGGCAAC
 TCTAAGCCAAACACAAGGAAGTGAAGAATTGCTAGTGTCTTACAGTTCACACATCTGACTCCTAACATT
 ATTTTGTAAATCAGGCTCCACTTACTGCACCACCGAGTGCCAGTTCTTCACTCCCAATCATATGTCCT
 CTTTCAAGTCAATGTCTTGTACAGAAATCAGCAGACGCCTAACAGTGTCTTTTAAACAGGAAACAAGGCTGA
 GGAAGAGGAAGAAATTAAGATGATGATGATGACATCATTAGTCCAGTCCAGACTCAGCAGTCAAGTAA
 ACATCTCTGGTCCCTCAGGCTGATAACTCAAAGTACCCTTTAGATGGATCATTGACACAGAAGATGC
 AGATTCCTGTACTTCTCAAGAGCCACCTTCTAATTCTTTAAAAATTTTCAAGATGTCATTACTAGAAACAC
 TAATGATCCAGGCTTAAGGTCAAACATGTAATGGAGGGTCAGAAGATCATTACATTAGATACAGTACT
 GAAATCGAAGGCTTGCAACTGGTTGCAAGTTTATGCAATATCGGTGAAGATACTTACGATATAGTGA
 TCCCTGTCAAAGATGACCCTGATGGAGGGGAGGCCAAACTTGATAATGAGCTACCAAAAACATCTGGCAG
 TGAGCCACCAACAAGCGTATGAAAGTAAACATGATGATCACTATGAGTTAATAGTAGTGAAGGGTC
 TATTATATTTGCATTGTATGCAAAGGTCTATGTCTGTCTGACAAGCTTGCGAAGACATTTTAAACATTC
 ATTCTTGGGAGAAGAAGTATCAGTGCCGTTACTGTGATAAAGTATTTCTTTCGAGAATACCGCACCA
 GCATGAAATCCATCACACAGGGAGCGAAGGTATCAGTGTAAACGTGTGGCAAATCTTTCATCAACTAT
 CAGTTTATGTCTTACACATAAAGTCAAGTTCATAGTCAAGATCCTTCTGGGGACTCAAAGCTTTATCGCT
 TACATCCATGCAAGTCTTACAGATCAGACAGTATGCATACCTTTCTAATAAGTCAAGTGCATGCCTGT
 CATGAAGGATGATGCTGTTGGATACAAGTTGATGCTGAAAAAGAGCCTCCAGTAGGGACCACATCTACT
 CCTCTCAGAACAAGTCAACGTTCTGGGAAGATATTTTATTAGCAAGAAAATGATTCCATTTTAAAC
 AGAATGTAACCGATGGCAGTACTGAGTTTGAATTTATAATACCAGAATCTTACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001079513

Insert Size: 2016 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.
RefSeq:	<u>NM_001079513.1</u> , <u>NP_001072981.1</u>
RefSeq Size:	4948 bp
RefSeq ORF:	2016 bp
Locus ID:	56805
UniProt ID:	<u>Q8BN78</u>
Cytogenetics:	X A3.3
Gene Summary:	Transcriptional regulator with bimodal DNA-binding specificity. Binds to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' and also binds to the non-methylated consensus sequence 5'-CTGCNA-3' also known as the consensus kaiso binding site (KBS). May recruit the N-CoR repressor complex to promote histone deacetylation and the formation of repressive chromatin structures in target gene promoters. Contributes to the repression of target genes of the Wnt signaling pathway. May also activate transcription of a subset of target genes by the recruitment of CTNND2. Represses expression of MMP7 in conjunction with transcriptional corepressors CBFA2T3, CBFA2T2 and RUNX1T1 (By similarity). [UniProtKB/Swiss-Prot Function]