

Product datasheet for **MR209917**

Zbtb5 (NM_173399) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb5 (NM_173399) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zbtb5
Synonyms:	5930421110; 9430083K24Rik; A1646847; mKIAA0354
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide
Sequence:

>MR209917 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGATTTTCTGGTCACTTTGAGCAGATCTTTACAGCAGCTGAACTACCAGAGACTTCATGGGCAGCTGT
GTGACTGTGTCATTGTAGTGGGGAACAGGCATTTCAAAGCCACCCTCGGTGCTGGCAGCATGCAGTAC
GCATTTCCGAGCACTGTTCTCGGTGGCGAAGGAGATCAGACCATGAACATGATCCAGCTAGATAGTGA
GTGGTGACAGCCGAGGCCTTCGCCGCCCTGATTGACATGATGTATACCTCCACCCTCATGCTAGGGGAGA
GCAACGTTATGGATGTCTATTGGCAGCCTCTCACCTGCATCTGAACTCCGTTGTTAAGGCATGTAACA
TTACCTGACGACAAGGACGCTCCCCATGTCTCCCTCTAGTGAGCGTGCTCAGGAGCAGAGTGCCCGCATG
CAGCGCTCTTTATGCTGCAGCAGCTGGGACTCAGCATTGTGAGCTCAGCCCTCAGTTCAGCCAGAGTG
CCGAGGAGCCGACAGCCCTATGAGCTCATCCATGCGCAGCAGCCTGGACCAGCGGACACCCTTCCCAT
GAGACGCCTTACAAGCGCAAACAGTCTGTAGAGGAGCGGGCCCGCAGCGCCTGCGATCCTCCATGGAG
GAATCTGCCATTTAGATGTTACTCCAGAGAGCGGGCCTGCGGGAGTTTATTCCCGGGAGGAATCTTCT
CACCGGATTCTCTGAAAATTGTGGATAATCCTAAACCCGATGGGATGGCTGACAACCAGGAAGACGGTGC
CATGATGTTTGTGCGCCTTTTGGTGCCCAAGAAGATGCTCAAGTGCCAGCCAGTCAAGTGGCAGTGTCT
GGCAACATGGCCTCTCGTGCAACTCAGGTTGAAACGAGTTTTGAACAAGAGGCCGTGGCTGAGAAAGGCA
GTTTCCAGTGTGAAAATCCTGAGGTTGGCCTCGGGGAGAAGGAGCACATGAGAGTGGTGGTGAAGTCTGA
GCCCTGAGCTCTCCGAGCCGACAGGATGAAGTGAAGCAGCTGACCTCCCAAGCAGAGGGCAGTGAAGTCT
GTGGAGGTGGAAGGAGTGGTGGTCAAGTCCGAGGAGTCCACATCTTGAAGTCAACAATAATCTAGA
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ACATAAGACCTCTTTTGTATTTTCAATTTTCTCAACAAGAGCAGGGGGAGTAATTTCAAGTCAAGTCAAG
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TACCAAGGAGAACAATTCGGATGGATTTTCCAGGTCTGGCTTGGTCTCCACTCATCCTTCTCCAGGG
CCATGATGGGTTCCCAAGGAGGGGCCAGTAACTTTCCATATTACCGACGAATAGCTCCAAAAATGCC
AGTGGTAACTTCTGTGAGGACTCGCAGATCTCTGAAAATTCAGCCAGTCCCAGCTAATGATGAACGGG
GCCACCTCATTTGAAAATGGCCACACTCCAGCCTGGCCTCCTCAGTTGACCAGGCATCTGCTGATG
TCTTGCAAAAGTCAAGAAGGCCTATCGGAGCAATGTCTTGGTTGTGGAGGGAGCTCGAAAAGTATGC
CTGCAAAATCTGCTGAAAACCTTCTGACTCTGACGGATTGCAAGAAACACATCCGGGTCCACACAGGA
GAAAAGCCGTACGCCTGCCTCAAGTGTGGCAAACGGTTCAGTCACTCCAGCCACCTATATAAACACTCGA
AAACGACCTGCCTGCGCTGGCAGAGCAGCAACCTCCCCAGCACCCTGCTC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209917 protein sequence
Red=Cloning site Green=Tags(s)

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MDFPGHFEQIFQQLNYQRLHGQLCDCVIVVGNRHFKAHRSVLAACSTHFRALFVSAEGDQTMNMIQLDSE
VVTAEFAALIDMMYTSTLMLGESNVMDVLLAASHLHLNSVVKACKHYLTRRTLPMSPSSERAQEQSARM
QRSFMLQQLGLSIVSSALSSSQSAEPTAPMSSSMRSSLDRTPPFMRRLHKRKQSVVEERARQLRSSME
ESAI SDVTPESGPAGVHSREEFFSPDSLKIVDNPKPDGMADNQEDGAMMFDRPFGAQEDAQVPSQSDGSA
GNMASRATQVETSFEQEAVAEKGSFQCENPEVGLGEKEHMRVVVKSEPLSSPEPQDEVSDVTSQAEGSES
VEVEGVVVSAAEKIDLSPESDRSFSDPQSSTDRVGDIIHILEVTNNLEHKTFSISNFLNKSRSNFSASQ
STDDNLPNTTSDCRLEGEAPYLLSPEAGPAGPSSAPGSHVENPFSEPADSHFVRPMQEVMLPCVQTSQ
YQGEQFGMDFSRSGGLHSSFSRAMGSPRGGASNFYYRRIAPKMPVTVSRSSQISENSASSQLMMNG
ATSFENGHTSQPGPPQLTRASADVL SKCKKALSEHNVLVVEGARKYACKICCKTFLTLTDCKKHIRVHTG
EKPYACLKCGKRF SQSSHLKYHKTTCRLRWQSSNLPSTLL
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_173399

ORF Size: 2013 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

RefSeq: [NM_173399.3](#), [NP_775575.2](#)

RefSeq Size: 4360 bp

RefSeq ORF: 2013 bp

Locus ID: 230119

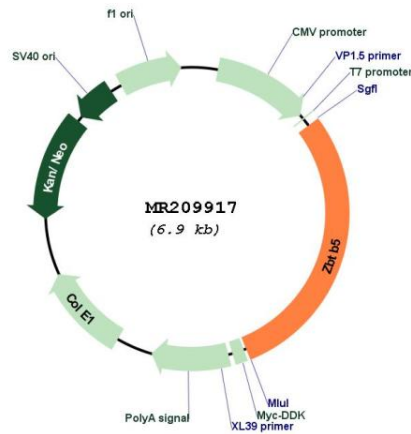
UniProt ID: [Q7TQG0](#)

Cytogenetics: 4 B1

MW: 73.2 kDa

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR209917