

Product datasheet for **MG209917**

Zbtb5 (BC054551) Mouse Tagged ORF Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Zbtb5 (BC054551) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Zbtb5 |
| Synonyms: | mKIAA0354, 5930421110 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

**ORF Nucleotide
Sequence:**

>MG209917 representing BC054551
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTTTCTGGTCACTTTGAGCAGATCTTTACAGCAGCTGAACTACCAGAGACTTCATGGGCAGCTGT
 GTGACTGTGTCATTGTAGTGGGGAACAGGCATTTCAAAGCCACCCTCGGTGCTGGCAGCATGCAGTAC
 GCATTTCCGAGCACTGTTCTCGGTGGCGGAAGGAGATCAGACCATGAACATGATCCAGCTAGATAGTGAG
 GTGGTGACAGCCGAGGCCTTCGCCGCCCTGATTGACATGATGTATACCTCCACCCTCATGCTAGGGGAGA
 GCAACGTTATGGATGTCTATTGGCAGCCTCTCACCTGCATCTGAACTCCGTTGTTAAGGCATGTAACA
 TTACCTGACGACAAGGACGCTCCCCATGTCTCCCTCTAGTGAGCGTGCTCAGGAGCAGAGTGCCCGCATG
 CAGCGCTCTTTATGCTGCAGCAGCTGGGACTCAGCATTGTGAGCTCAGCCCTCAGTTCAGCCAGAGTG
 CCGAGGAGCCGACAGCCCTATGAGCTCATCCATGCGCAGCAGCCTGGACCAGCGGACACCCTTCCCAT
 GAGACGCCTTACAAGCGCAAACAGTCTGTAGAGGAGCGGGCCCGCAGCGCCTGCGATCCTCCATGGAG
 GAATCTGCCATTTAGATGTTACTCCAGAGAGCGGGCCTGCGGGAGTTTATTCCCGGGAGGAATTTCTCT
 CACCGGATTTCTGAAAATTGTGGATAATCCTAAACCCGATGGGATGGCTGACAACCAGGAAGACGGTGC
 CATGATGTTTGTATCGGCCTTTTGGTGCCCAAGAAGATGCTCAAGTGCCAGCCAGTCAAGTGGCAGTGT
 GGCAACATGGCCTCTCGTGCAACTCAGGTTGAAACGAGTTTTGAACAAGAGGCCGTGGCTGAGAAAGGCA
 GTTCCAGTGTGAAAATCCTGAGGTTGGCCTCGGGGAGAAGGAGCACATGAGAGTGGTGGTGAAGTCTGA
 GCCCTGAGCTCTCCGAGCCGACAGGATGAAGTGAAGCAGCTGACCTCCAAGCAGAGGGCAGTGAAGTCT
 GTGGAGGTGGAAGGAGTGGTGGTCAAGTGGCAGGAGATAGACCTCAGCCCTGAAAGCAGTGAACCGAGCT
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 AGCACTGACGACAACCTCCCAAAACACCACAGTACTGTAGGCTCGAGGGCGAGGCCCTTATCTGTTGA
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 GCCTGCAGACTCCCACTTCGTCAGACCTATGCAGGAGGTGATGGGCCTGCCCTGTGTGCAGACCTCAGGC
 TACCAAGGAGAACAATTCGGATGGATTTTCCAGGTCTGGCTTGGGTCTCCACTCATCCTTCTCCAGGG
 CCATGATGGGTTCCACGAGGAGGGGCCAGTAACTTTCCATATTACCGACGAATAGCTCCAAAAATGCC
 AGTGGTAACTTCTGTGAGGACTCGCAGATCTCTGAAAATTCAGCCAGTCCCAGCTAATGATGAACGGG
 GCCACCTCATTTGAAAATGGCCACACCTCCAGCCTGGCCCTCCTCAGTTGACCAGGGCATCTGCTGATG
 TCTTGTCAAAAGTCAAGAAGGCCTATCGGAGCACAATGTCTTGGTTGTGGAGGGAGCTCGAAAAGTATGC
 CTGAAAATCTGCTGTAACCTTCTGACTCTGACGGATTGCAAGAAACACATCCGGGTCCACACAGGA
 GAAAAGCCGTACGCCTGCCTCAAGTGTGGCAAACGGTTCAGTCACTCCAGCCACCTATATAAACACTCGA
 AAACGACCTGCCTGCGCTGGCAGAGCAGCAACCTCCCCAGCACCTGCTC

ACGCGTACGCGGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >MG209917 representing BC054551
 Red=Cloning site Green=Tags(s)

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MDFPGHFEQIFQQLNYQRLHGQLCDCVIVVGNRHFKAHRSVLAACSTHFRALFSVAEGDQTMNMIQLDSE
VVTAEFAALIDMMYTSTLMLGESNVMDVLLAASHLHLNSVVKACKHYL TTRTLMPSPSSERAQEQSARM
QRSFMLQQLGLSIVSSALSSSQSAEPTAPMSSSMRSLDQRTPFPMRRLHKRKQSV EERARQLRSSME
ESAI SDVTPESGPAGVHSREFFSPDSLKIVDNPKPDGMADNQEDGAMMFDRPFGAQEDAQVPSQSDGSA
GNMASRATQVETSFEQEA VAEKGSFQCENPEVGLGEKEHMRVVVKSEPLSSPEPQDEVSDVTSQAEGSES
VEVEGVVVS AEKIDLSPESDRSFS DPQSSTDRVGDIIHILEVTNNLEHKTFSISNFLNKS RGSNFSASQ
STDDNLPNTTSDCRLEGEAPYLLSPEAGPAGPSSAPGSHVENPFSEPADSHFVRPMQEV MGLPCVQTSG
YQGEQFGMDFSRSG LGLHSSF SRAMGSPRGASNF PYYRRIAPKMPVTVSVRSSQI SENSASSQLMMNG
ATSFENGHTSQPGPPQLTRASADVL SKCKKALSEHNVLVVEGARKYACKICCKTFLTLTDCKKHIRVHTG
EKPYACLKCGKRF SQSSHL YKHSKTTCLR WQSSNLPSTLL
  
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: BC054551

ORF Size: 2012 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: [BC054551](#), [AAH54551](#)

RefSeq Size: 4219 bp

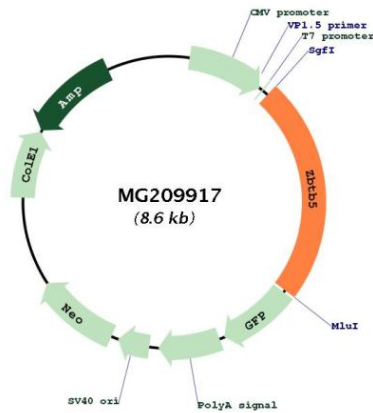
RefSeq ORF: 2012 bp

Locus ID: 230119

Cytogenetics: 4 B1

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

Product images:



Circular map for MG209917