

## Product datasheet for **MC216308**

### Zbtb32 (NM\_021397) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb32 (NM_021397) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zbtb32
Synonyms:	4930524C15Rik; FAXF; FAZF; PLZP; Rog; Tzfp
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC216308 representing NM\_021397  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCCCCAGACCCCAAGACTAATCAGCCCATATGGCTCTGATAGTTGGTACAGTTAGCGGCTAGAC  
 TCCGGCCAGCACTGTGTGATACCCTGATCACAGTAGGGGGCCTGGAGTCCCGGCTCACAGCCTAGTGCT  
 GGCAGGTGCAAGCCAAAGCTTGGCTGCAGGGCCGGTGGGCTCTGGTTGAAGACATAAGCCCTCCACC  
 TTTGCTCAGATTCTGACCTTTGTCTATGGAGAGAGTATAGAGCTACAGCCTGGGAGCTGGGGACCTTG  
 AAGAGGCAGCCAAAGCCTTGGGGGTACAGGCCTTGAAGAGGCCTGTGAGAGAGCTAAAAGGGCAAGGA  
 TGAAGATGAGCTGGATCCAGGACTGAAGAGGCACCAGCAATCAGAAGACTTCATGAGGGGCTCTGAGAGA  
 GGACTTGGGAGTCTGGAGAGAAACAGAAGCCAGAGAAGGATTTAGAAGTAATGGGAGAGAACAGGAGA  
 TGTCACACAAGCATAAAGCACCCGGAGAGAGGCCTGAGATGGCAGGAGCAACTAGGATGATGAGCTCAGA  
 GGAGGTATGCGAGGTATCGAGAGCCACAAGGGCTCTGAGGAGAGTCTTCGTGGGTGCCCTGATCCCCTT  
 TCCCCACAGGTTCCCTCCTAACTAGCCTCATTCCCAGGCCCTGGTGGGCTGAAGTCCCTAGGTTGGGGG  
 AGGGCCAGTCGGCCTTGTGGAGCATCTTGTGTGGCCCTCCAGATACGGTGTCCCTTCTCCCATAGTAC  
 CCCCATCACTGCGGCCTGGCAGGTCCGGCCTCAAGATCAGAGGATCCCACTGACCTTGAACCACTCCAAA  
 GCTCTCTGGAGTCAGAATCAGCTGGCTTCTCTAGCCCCACTCCAGGATCTTTTCCCCAGGGCACTGAAA  
 CCCTCAGCCCTTGGCAGATAGAAACGTCTGGGCAAGGGTTCACAGGCACACTGGCAACCTGTGTGAGTCA  
 GGAGCGCACACTGAACTGCCATCTCACCAACACCCTCCTTTACCCTCTCCTGCTCGCTCTCGGCCCTAT  
 TCTTGCTCTGTGTGTGAAAGAGGTTTTCACTCAAGCATCAGATGGAGACACATTACCGAGTCCACACAG  
 GAGAGAAGCCCTTCTCCTGTAGCCTCTGTCTCAGCGCTCCCGGATTTCTCTGCCATGACCAAGCACCT  
 GAGGACACATGGGGCTGCTCCCTATCGATGCCCTCTGTGCAAGGGCTGGCTGCCCTAGCCTGGCCTCCATG  
 CAGGCGCACATGCGTGGCCACTCGCCAGCCGGCTGCCGCTGGATGGACCATACGCTCCACCTTCTCT  
 ACTCTTCTCGAGGCCGACCCGGCCCTCCAGCTCTCCGGTAGTCTACCTCCTCTGCTGCCACCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_021397
- Insert Size:** 1398 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:**
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\\_021397.2](#), [NP\\_067372.2](#)

RefSeq Size: 1783 bp

RefSeq ORF: 1398 bp

Locus ID: 58206

UniProt ID: [Q9JKD9](#)

Cytogenetics: 7 B1

**Gene Summary:** DNA-binding protein that binds to the to a 5'-TGTACAGTGT-3' core sequence. May function as a transcriptional transactivator and transcriptional repressor (By similarity). Probably exerts its repressor effect by preventing GATA3 from binding to DNA. May play a role in regulating the differentiation and activation of helper T-cells.[UniProtKB/Swiss-Prot Function]  
Transcript Variant: This variant (1) represents the protein-coding transcript.