

## Product datasheet for MC222952

### Zbtb4 (NM\_029348) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb4 (NM_029348) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zbtb4
Synonyms:	2310026P19Rik; 9230111I22Rik; mKIAA1538
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC222952 representing NM_029348 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCCACCCCTGCAGAGGTGACGGACCCATCCCATGCCAGCTGTCCTGCATCAGCTCAATGAGCAGC  
GGCTCCGTGGCCTCTTCTGTGACGTACCCTCATAGCTGGAGACACCAAGTTCCTGCTCACCAGTGT  
CCTGGCCGCTCTAGTCCCTTCTCAGAGAAGCCCTACTAGCTTCAGCCCCACTGCCCTTCCACCAGTT  
ACTGGCGGCTCAGCCCCAGCCCCGAACCACCACAGTGCCTCCTTTCGTCTCTCTCCCCCTCCAG  
CCTCTCCTCACTTTCATCTCTCTCCCGGGTGCTAGAGCTGCCCGGGTCCAGCAGCTGCCTTCTCCGA  
TGTCTCAACTCATCTATAGTGCCTGGCTTGCCTCCCTGGCGGTGGTGGGGATGGGGCAGCTGTGGCA  
GAGATTGGAGCTCTGGCCGGAGGCTGGGTATCTCCCGTCTACAGGGCCTGGGGGAAGGAGGTGATACTT  
GGGTACCACCTGCCCAACTTCCATGGTCACTCAGATCCTACTGAGGATGGTTTGGGGCAGGGCCTAG  
AACAGATGGAGAGTGGGTGGGTGACAAAGCTGAGGCCCTGACTCCTGACTCCCAGCCCCGGCGCCCTTT  
CCTTGCCTCGATGTGAAAAAGCTTATCCATCCCAAGCGACTACAGACCCACGAGGCTCAGTGTGCAG  
GAGGGTCCAACACTCGGGGTCTGCAGGGCTGGGGCTGGAGTCTCTGGCTCTGGGGTCTGCAGGAGT  
GGATGCCTCTGCCCTGCCACAACCAGTGGGCTTACAGATGGCCCTGAGCATGTGGTGAAGTTGTGGGC  
GGCCACGTGCTCTATGTGTGTGCGGCTGTGAGCGTTCCTACGTGACCCTGTCCAGCTGAAGCGGCACA  
GCAATGTACACTCGTGGCGGAGGAAGTACCCCTGCCGCTACTGTGAGAAGGTGTTTGGCCTGGCTGAGTA  
CCGCACCAAGCACGAGGTGTGGCACACTGGGGAGCGCAGGTACAGTGCATCTTCTGCTGGGACACCTTT  
GTCACCTATTATAACCTGAAGACCCACCAGCGAGCCTTCCATGGCATTAGCCCTGGCCTCTAGCCAGTG  
AGAAGACACCCAATGGAGGCTACAAACCCAGGCTTAATACCCTCAAGCTGTACCGCTGCTCCCTATGCG  
GGCGGCCAAGCGGCCCTACAAGACTACAGTCAAGGAGCCCTGAGGCCCTCTTCTCCAAGCCTCCAC  
ACACCGGCCCGCGCAATGCCAGCCAGCCCCAACCCCTACCCACCCCGCCAGAGCTGGTCTCT  
CCCCCTGTGTCACCTTTGCTCATCCGGCTCCCTCTGTATTGTCCACGGGAGCAGTAGTGTGGTGC  
AGCCGGGGCGGACCAGCCGGCACAGGAGGTCCCAAGCTGCCTCAGTCATCACTATACGACTCCCCCA



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Locus ID: 75580

UniProt ID: [Q5F293](#)

Cytogenetics: 11 B3

**Gene Summary:** Transcriptional repressor with bimodal DNA-binding specificity. Represses transcription in a methyl-CpG-dependent manner. Binds with a higher affinity to methylated CpG dinucleotides in the consensus sequence 5'-CGCG-3' but can also bind to the non-methylated consensus sequence 5'-CTGCNA-3' also known as the consensus kaiso binding site (KBS). Can also bind specifically to a single methyl-CpG pair and can bind hemimethylated DNA but with a lower affinity compared to methylated DNA. Plays a role in postnatal myogenesis, may be involved in the regulation of satellite cells self-renewal (PubMed:27446912).[UniProtKB/Swiss-Prot Function]