

Product datasheet for **MC217518**

Zbtb45 (NM_001024699) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Zbtb45
Synonyms:	BB161562; Gm157; Zfp499
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF: >MC217518 representing NM_001024699
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGC**

ATGGCAGCCACAGAGGCGAGTGCACCATCCACCTACAGAACTTTTCGCGCTCACTACTGGAGACCTCA
 ATGGGCGAGAGGCTAGGCGGTCACTTCTGTGATGTGACCGTGCATCCGTGAGGCTTCTCTGCGTGCTCA
 CCGCTGTGTCTGGCCGTGGCTCACCTTCTTTCAGGATAAACTGCTGCTCGGCCACTCAGAGATTCTGT
 GTGCCACAGTGGTGCCTGCGCAGACAGTGCAGCGTGGTTCGATTCGATCCAGACCGTCATTGACGA
 GTGCACACAGATCATCGCTCGTGCCGTGCCCCAACACCCGCGCCCTGCGCCTCTGCCACCACCGTG
 CCCCCTCCACTAGCACCCGCGCAGTGCAGCACCGTCTGCGCCACTTGTGGCCGCCCGCCCCGGGTC
 ATCCCAACGCCGCGCACAGCCGCAAGCAGCGCCAGCCGCGCTTTCAGCTACCTGCACCCCCAGCACC
 CATCAAGGCTGAGGGGCTGATGCGGAGCCAGCGCTGACTGCCGCGCTGAAGACAGAGGTGAAGAGGAT
 GACGATGAGGAAACGGATGAAGAAACCGACGCTGAAGAAGGTGAAGGAGCGGCGGCCCGGGTGAAG
 GCCAGGCTCCCCCTGCCTTCCCCGACTGTGCAGGGGCTTCTTACCACTGCAGCTGACAGCGCTCGAGA
 GGATCCCCCTGCATCCACTGGCATCACTGATTATGGTGGTGCCGGGAGAGATTTCTTCGGGGGACTGGG
 GTCCTGAAGATGTGTTCCAGATAGTTATGTGTCGCTTGGCATGAGGAAAGCAGCGGAGGGCCAGAAA
 GTTGTCCGGTGGAACGTCTGCTCCACCCGACTGTGCCCTGGCTGGGCCCTGCCCCAACAGGTGTGAAGAC
 CCCAGGGCCCCCGTGGCTCTCTTCCCTTTCCTTGGGTGCTCCCGGCCCGCCAGCGCAACACCTCCT
 ACTCCATCTGGGCCAGCCCTGCACCCCGCCACCTTCTACCCACGCTCCAGCCAGATGCAGCCCCCA
 GTGCTCAGTGGGAGAAACGAGGCGGTGCCAGCGGCCCTGCCGCTCAGGCCACAGCCATCTCTGGCAC
 TCCTGTGCGCGCCCCGGGTGGCCAAGGTGCTGAGCAACCCGCTATGAGTGTAGCCACTGCCGCAAGACG
 TTCAGTCTCGCGAAAACTACACCAAGCACATGTTATCCACTCTGGGAGAAAGCCACATAGTGCCTG
 TGTGTTGGCGATCCTTCTCGTACGCGATTACCTGCTCAAGCATATGGTCACACACTGGCGTGCAGC
 CTTCCAGTGTGAGTGTGTGCAAGCGCTTCACTCAGAAGAGCTCCCTCAACGTGCACATGCGCACACAT
 AGGCCTGAGCGTGCGCCCTGCCCTGTGGGAAAGTTTCTCACACCGTGCATGCTGGAGCGACACC
 TTGCAGCTACCCCTGCACCT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001024699

Insert Size: 1563 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001024699.1</u> , <u>NP_001019870.1</u>
RefSeq Size:	2167 bp
RefSeq ORF:	1563 bp
Locus ID:	232879
UniProt ID:	<u>Q52KG4</u>
Cytogenetics:	7 A1
Gene Summary:	May be involved in transcriptional regulation (Probable). In the central nervous system, may play a role in glial cell differentiation (PubMed:21131782).[UniProtKB/Swiss-Prot Function]