

Product datasheet for **MC221389**

Zbtb49 (NM_029162) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb49 (NM_029162) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zbtb49
Synonyms:	4930518A03Rik; Zfp509; Znf509
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC221389 representing NM_029162
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACCCTGTTGCTGTTACAGCTGCCACCTCCTGCAGCAGCTGCGAGAGCAGCGGATCCAGGGCCTGC
 TTTGTGACTGCATGCTGGTGGTGGAGGGCGTCTGCTTCAAAGCACACAAGAATGCTCTGGCAGCCTTCAG
 CCAGTATTTCCAGGAGCCTCTTTCCAGAACTCTCCAGCCAGAAGAACGACGTTTTCCACCTGGACGTTACA
 AATGTCAGTGGCATAGGGCAGATCCTGGACTTCATGTACACATCGCGCCTCGACCTCAACCAGGACAACA
 TTCAGGTGATGCTGGACACAGCGCAGTGTCTGCAAGTGCAGAATGTTCTGAATCTGTGCCACACATTTCT
 GAAGTCGGCCCTGCAGCACAGCTGCCAGGCTTGCTTGTGCTGGTGGCTTCTCCCTGCAGAGTGTGGCT
 CTGGATGGCACCTGCGCCGTTAGTGAGCACTACCCTCCTCCCTCACTGCAGGAGTGCCCTGTGGAAGGCC
 CGCAGGCTAAAGTCCCGGCTGAAGTGAACGCTCGTCTCCATCGGCAAAATTCAGTCGTCCACGGAAGT
 GTCAAAACCAGATGCTGCAGGCGCAGCTGCCAGAGCTGCCCTGCAAGCAGCCCAACCCTATTACAAA
 CTCAGAACATTGTACAGCAAGCAGTATTACAAGCAAATGCCTGCCCCAGCCAGGTGCCCTGCCACACAAC
 AGCCGCTCACTCGCAGTGCCTCCACAGACCTCGCTGCAGCAGACTCGCAGCCTCCTGTGGAGGGCCGTCC
 AGCTGTCTGGAGACTCCAGAGCACTTGCCCTCCACCTTTGTGGCTCCACCTGTGAGAACTCTGGCAAT
 GACTCTGAGGCAGACCCCTTTCTGAGCCCCCTGCCAAGCAGATGAGACTGAAGAAGGCCATGCACCTGA
 AGAACTAAACTTTCTAAAGTACAGCAGTCCGGCAGAGTGCACCTCACACCCTGAGCCAGATAATGGGTT
 GGCCAGGAGGGGAGGAGTCTGCTGCTAAGGAAGATGCAGTGGAGAGAGCTGGAAGCCAGACTGTGAAGAA
 AAAGGGAGGGGAGAATGGGTCCAGAGAGCAGCCGTGAGGAGGAGCTGCCAGGAGCCCGACTTCTCTGGG
 AAGCCGCTCCAGGCTCTCCAGCCCCAGAAACAGTATGCATGTGAATTGTGTGGGAAGCCTTTAAACA
 CCAAGCAATCTGGAGCTGCACAACCGTCTCATACAGGTGAGAAACCTTTTGAATGTAACATTTGTGGG
 AAACACTTCTCTCAGGCAGGCAACCTTCACTCACTTACGCCGCACTCTGGGAGAAGCCATACATCT
 GTGAAATCTGTGAAAGAGGTTTGCAGCCTCTGGTGCAGTCCAGCGCCACATCATCATTCACTCTGGAGA
 GAAGCCCACTTGTGTGACACGTGCGGCCGAGGGTTCAGCAATTTAGCAATTTGAAAGAGCACAAAAAG
 ACACACACGGCTGACAAGGTGTTACCTGTGACGAGTGTGGGAAGTCTTTAACATGCAGAGGAAGCTGG
 TGAAGCACCGCTGCGGCACACGGGGAGCGCCATACAGCTGCCCTGCCTGTGGGAAGTCTTTGGGGG
 CTAGGAGACCTGCGCAGGCACGTGCGCACTCACACTGGGAGAAGCCCTATAGCTGTGAGGTCTGCAGC
 AAGTGTTCACACGCTCGGCTGTGTTGCGGCGGCACAAGAGGATGCACCGCAGAGCTGATGCCAGGAGCC
 CCGTTGTGCTGGGTGAGCTGAGCCGGCCATTGAGCCCTCTGACCTGGACAGGTCTCAGAGCTCGGACTC
 TTCTCCCAGGATGTGTCTGTACACTGATGCCTGTGTCTGTCAAGCTCCCTGTGCAGCCTGTGGAAGT
 TCTGTGGCAGGATTCGATGGCCACTGTAGTGGCTCCTACTGTAAGTTACGCTCCATGCTTCGCCCTCCTG
 GCATGAGTGACCAGGACAGACTGAGCCTGGAACCTTCTAAGCTGGCCAAGCCACCGGAGCTGCAGAGCCA
 GCCACAGGCTACGCGTACTCAGATGTGGAGCCCTCAGCAGGTGTGGAGCAGCCACAGGCCGATGGCATG
 GCTGTGTCGCGCTTCTCCCTGGCCACTTGACAACCACTGCACTGAGCCACTGGGCAGCCGGGCACCTT
 CGGTGACCTACAGGAACCTGTAGGGACAGTTTTTCTCCAGTATGACTCTCTGGGGCTGGCAATGAAGAC
 ACTGCAGAATGAACATGAGCTGGAGCAGTGA

AG**CGGACCG**ACGCGTACGCGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCC
 TGGATTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-RsrII
ACCN: NM_029162
Insert Size: 2271 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:	<ol style="list-style-type: none">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_029162.2 , NP_083438.1
RefSeq Size:	2985 bp
RefSeq ORF:	2271 bp
Locus ID:	75079
UniProt ID:	Q8BXX2
Cytogenetics:	5 B3
Gene Summary:	<p>Transcription factor. Inhibits cell proliferation by activating either CDKN1A/p21 transcription or RB1 transcription.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longer isoform (1). Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>