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Product datasheet for MC220449

Zbtb48 (NM_133879) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb48 (NM_133879) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zbtb48
Synonyms:	0610011D15Rik; AI327031; Hkr3; TZAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

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Fully Sequenced ORF:

>MC220449 representing NM_133879
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGACGGTTCCTTCGTGCAGCACAGCGTGAGGGTTCTGCAGGAACTCAACAAGCAGCGCGAGAAGGGCC
AGTATTGCGACGCCACACTGGACGTGGGGGGCCTGGTGTTCAAGGCGCACTGGAGTGTCCTGGCGTGTTG
CAGCCATTTCTTCCAGAGAATCTACGGGGATGGCACAGGGGGCAGCGTTGTCCTCCCAGCGGGCTTTGCT
GAGATTTTTGGCCTCCTGCTGGACTTTTTCTACACTGGCCACCTCGCCCTCACCTCAGGGAACAGGGATC
AGGTACTCTTGGCAGCCAAAGAGTTGAGGGTGCCTGAGGCTGTGGAGCTATGTCAGAGCTTCCAGCCCCA
AACCTCAGTGGGACAGGCACAGAGTGGACTGGGTCAACCTGCCTCCCAGGACGTGAAAAGCCACCTGAAG
GAGCCGACAGACTTGGATGAGGAGGAAGTTTTCAGGACTCTGAGCCTGGCCTCCGTGGATCAGGAGCCCA
GAGACACTGAGCAGCCCCAGCTGGGTACACCTGCTCAGAGCACCACGGCCTTCCTCTGTGGGAAACTCAC
GCAGGCTTTGAAGCCTTCTCCCTCAGAGGACAAAGAGTCTGAGGACTGCAAAGAGCCCCCAAGGCCCTTC
GAGGCTGGAGGTGCCCCGCTGCAGGGCGAGAGCAATGAGTGGGAAGTGGTGGTCCAAGTGGAGGACGACA
GGGACGGTGATTACGTATCTGAGCCTGAGACTGTGCTAACCAGAAGGAAGTCAAAAGTGATTAGAAAACC
CTGTGCAGCCGAGCCAGCCCTGGGTGCGGGTTCTCTCACAGCCGAGCCCACTGACAGCAGAAAAGGTGCA
GCCGTTCCGGTCGAATGTCCCACATGTCACAAAAAGTTCCTCAGCAAATATTACCTGAAAGTCCACAACA
GGAAACACACTGGGGAGAAACCCTTCGAGTGTCCCAAATGTGGGAAGTGTTACTTCCGCAAGGAGAATCT
CTTGGAACATGAAGCCAGGAATTGCATGAACCGCTCAGAACAGGTCTTCACATGCTCCGTATGCCAGGAG
ACCTTCCGACGGAGGATGGAGCTGCGCTTGCACATGGTGTCTCACACAGGGGAGATGCCCTACAAGTGTT
CCTCCTGCTCCCAGCAGTTCATGCAGAAGAAAGACTTGCAGAGCCACATGATCAAGCTGCACGGAGCCCC
TAAACCCCACGCATGCCCCACTTGTGCCAAGTGCTTCCTGTCTAGGACGGAGCTACAGCTGCACGAGGCT
TTTAAGCATCGTGGAGAAAAGCTCTTTGTGTGTGAGGAATGCGGGCACCGGGCCTCGAGCCGCAACGGAC
TGCAGATGCACATCAAGGCCAAGCACAGGAATGAAAGGCCTTATGTCTGTGAGTTCTGCAGCCATGCCTT
CACCCAGAAGGCCAACCTCAACATGCACCTGCGCACACACACCGGCGAGAAGCCTTTCCAGTGCCACCTC
TGTGGGAAGACCTTCCGCACCCAAGCCAGTTTGGACAAGCACAACCGCACCCACACGGGCGAGAGGCCTT
TCAGCTGTGAATTCTGTGAGCAGCGCTTCACTGAGAAGGGCCCCCTTCTGAGGCATGTGGCCAGCCGCCA
TCAAGAGGGCAGGCCCCACTTCTGCCAGATCTGTGGCAAGACCTTCAAAGCTGTGGAACAGTTACGAGTG
CACGTCAGGCGACACAAAGGTGTGAGAAAGTTCGAGTGCACCGAGTGTGGCTACAAGTTCACGCGGCAGG
CTCACCTGCGGAGGCACATGGAGATCCACGACAGAGTGGAGAACTACAATCCCCGGCAGCGCAAGCTCCG
GAACCTCATCATTGAGGATGAGAAGATGGTGGTCGTGGCTCTCCAGCCCCCTGCAGACCTGGAGGTGGGC
TCTGCTGAGGTCATTGTGGAGTCCCTGACCCAGGGTGGCCTTGCCTCCCAACTCCCTAGCCAGAGACTGT
GTTCAGAGGAGAGCTTTGCTAGCCCTGGCGTCCTGGAGCCCTCTCTCATCATCACCGCTGCTGTTCCCGA
GGACTGTGACACGTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_133879

Insert Size: 2046 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).

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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_133879.2, NP_598640.2
RefSeq Size:	2226 bp
RefSeq ORF:	2046 bp
Locus ID:	100090
UniProt ID:	Q1H9T6
Cytogenetics:	4 E2
Gene Summary:	Telomere-binding protein that acts as a regulator of telomere length. Directly binds the telomeric double-stranded 5'-TTAGGG-3' repeat. Preferentially binds to telomeres that have a low concentration of shelterin complex and acts as a regulator of telomere length by initiating telomere trimming, a process that prevents the accumulation of aberrantly long telomeres. Also acts as a transcription regulator that binds to promoter regions. Regulates expression of a small subset of genes, including MTFP1. Regulates expression the J and/or S elements in MHC II promoter. Acts as a negative regulator of cell proliferation by specifically activating expression of ARF, a tumor suppressor isoform of CDKN2A.[UniProtKB/Swiss-Prot Function]

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