

Product datasheet for **MR214195**

Zbtb10 (NM_177660) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Zbtb10 (NM_177660) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zbtb10
Synonyms:	4832414A18; AU021107; RINZF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>MR214195 representing NM_177660
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGTTCACTGAGATGAACCGCAGGACGCTGGCGTTCCGAGGAGCGGTTGGTCACCGCGCGCGGC
 GCCCCACGAACAATAACGCTGGCGGGGAGGCCTTCTTGGCCTCCGACGCGCAACCGCGACTGCCCGC
 GCCGCCCGCGCCGACGACGCGAATGGCGCGGGGCCGACGAGGAAATGGAATTGGAGGGCTGGAGCCC
 CAGGACTCGGAGGCCCGCCGCGCGCGGCCGCGGAGACGTCAAGGAGTTGCTGCTCCCTCAGG
 ACACGGGCGGCCCTCTTGGTGGCGGGCGCGGGGGGCCCTGCTAGCGAAAGGAACCGTCGGAC
 TCTGGCCTCCGCGGGGAGGCGCGGGGGTCTCGCAACAATGGCAGCAGCCGCGGCCCGCCGAGACC
 TCGGCGTGGCCCTCAGGCATTTCAATGGCGAGGGCCGCGGCCGTGGATCCGGAGCTGGACGCGCTGG
 AGGGAAAGGAGTGGATGCAGGACGGGGCTCCCTGAGCTACAGCACCGAGGAGGGGGCGAGCCCGGG
 CGATGGCAGTGGGCGGAAGGCGGACGTCAGCAGCAGCAGGCGGTGGGCGGCGATGGTGGGACGAA
 GCGGAGGGCAGCGGTGTGGGAGCTGGCGAAGGAGAGACTGTCCAGCACTCCCGCTCGCGAGGCCAAGT
 CCCTCTTGCAAGAAGCTCCAGTGCTCCTCCAGACCTCTTGGCTCAAGGACTTCCCTTGGCTGCGGTACTC
 CAAGGATACCGGCCTTATGTTCTGCGGATGGTGCCAAAAGATCCCGAGGATGGGGCGCGGTGGACCTT
 ACCCAGGTGGGGCATGATGAGCTTTCGCGAGGGACCCGCAACTACAAGAAAACCTGCTCCTAAGGCACC
 ACGTCTCCACCGAACACAAACTCCACGAAGCCAACGCCAGGAGTCAGAAATACCATCAGAGGAGGGGTA
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 AGAAAGAAAGATATTCTTTGTGATGTGACATTGGTGGAGCGGAAAACTTTAAAGCTCATAAGAACA
 TCCTGGTTGCAGGCAGCGTTTCTTAAAGACTTTATATTGTGTTTCAAACAAAGAAAGCCCTAACAAAA
 CAATACTACCCACTTAGATATTGCTGCAGTTCAAGGTTTTTCAGTCATCTTGGACTTCTGTATTCTGGG
 AACCTGGTGCTCACAAGCCAAAACGCCATTGAAGTGATGACAGTGGCTAGCTACCTTCAAATGAGTGAAG
 TCGTTCAAAGTTCAGGAATTTCAATAAAGATGCCTTAAATATCAGCATTAAATCGGAAGCTCCGGAGTC
 TGTGGTTGTGGACTATAACAATAGGAAGCCAGTTAGCAGGGACAGCCTGCCTTCATCCTCACGGGAACAG
 AAGATCGCCAGCTTCTGGGCAACGCGGAACCTGACCAACTGGCAAGTAATAAAAACTGAAAACGAAG
 GCTGTGATGTGACGAGGGCCAAGTAGAAAACCTACCAGATGAATGACAGTAACTGGATCCGGGATGGCTC
 TCCTGAATTGGCTGAAAAATGAATCTCAAGGTAACAAAAGTGTATTTTGAATAATATGACCTCTCAA
 GAGACTGGCAAAGCAAGGAGGAAAAACCAAACTACAAAGAGATTTGTTTATAATATACCGCCTAACAGTG
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 CATCAAGGAAGAGCCAGATTTGGATGGTGCACTACTCTCAGGGCCTGATGGTGATAGGACCATGAACACA
 AATTTATTGGCTGAAGCCTGCAGTGGTCAAGATGCTGGGGATGCTGGAGCATCACATGATTTCAAGTATG
 GTTTGATGCCTGGCACTTCAAGTATTTCAAGTATGGGTTGCTACCAAGTACTTCAAATGACTTCAAATT
 CGGATTGCTACCGGGTCTTCAAATGATTTCAAGTATGGATTATTGCCAGAATCTTGGCCACACAAGAA
 ACGTGGGAAAAATGGTACTCATCTCTAATCATGAACAAGTTGAAATGCCCTCATTGTAGCTATGTAGCCA
 AATACAGGCGAACACTAAAAAGGCACTTGCTCATTCTTGGAGTAAGATCATTAAAGTGTGAAATTTG
 TGGAAAGATGTTTACTAGAAGAGAACACGTAAAAAGACATTCCTGGTACATAAAAAAGGATAAAAAATAC
 AAATGCATGGTGTGAAGAAGATCTTCAATGTTAGCAGCCAGTGTGGAATAAAACATGGTTCTCGACGCT
 ACGGAGTATGCATGGACTGTGTAGATAAGTACAGCCAGGAGGACAAGAAGTTGTAATCAGGGACAAGA
 TACAGAGTTCCCTCGGGATGAAGAGTACGAGGAAAACGAAGGTGGCGAGCCCGATGAGGAGCTGGCTGAA
 GACGGACAAGATGAAAACGATGCACCTCGATGGGATGAGTCAGGAGCGTTTATGTCTCTGGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR214195 representing NM_177660
 Red=Cloning site Green=Tags(s)

MSFSEMNRRTLAFRGGGLVTGGGGPTNNNAGGEASSWPPQPRLPAPPAPQQPNGRGADEEMELEGLEP
 QDSEAAAGAAAEDVKELLLLQDGTGGPSLLGGGAGGPLLAERNRRTLAFRGGGGGLGNNGSSRGRPET
 SAWPLRHFNGRGPAAVDPDLDALEGKEWMQDGASL SYSTEEEGASPGDGSAGGSCSSSRSSGGDGGDE
 AEGSGVGAGEGETVQHFLARPKSLQLKLCQSFQTSWLKDFPWLRYSKDTGLMFCGCWQKIPEDGGGVDL
 TQVGHDELSRGTRNYKKTLLLRHHVSTEHKLHEANAQSEIPSEEGYCDFNSRPNENSICYQLLRQLDEQ
 RKKDILCDVSIIVVSGKIFKAHNILVAGSRFFKTL YCVSNKESPNQNTTHLDIAAVQGFVILDFLYSG
 NLVLTSQLNAIEVMTVASYLQMSVVQTCRNF IKDALNISIKSEAPESVVVDYNNRKPVSRDLSLSSSREQ
 KIAFWATRNLTNLASNIKTENEGCDVDEGQVENYQMNSNWIRDGSPELAENESQGKTKVF IWNMTSQ
 ETGKARRKNQTTKRFVYNI PPNSETKVEDCSVMQPPAAYPEESKALL IKEEPDLGALLSGPDGDRMTMT
 NLLAEACSGQDAGDAGASHDFKYGLMPGTS SDFKYGLLPSTSNDFKFGLLPGASNDFKYGLLPESWPTQE
 TWENGSSLI MNKLCPHCSYVAKYRRTLKRLL IHSVRSFKCEICGKMF TRREHVKRHSLVHKDKKY
 KCMVCKKIFMLAASVGIKHGSRRYGVCMDCVDKSQPGGQEVVNQGQDTEFPRDEEYEENEGGEPDEELAE
 DGQDENDAPRWDESGGVYVSG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9049_c05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

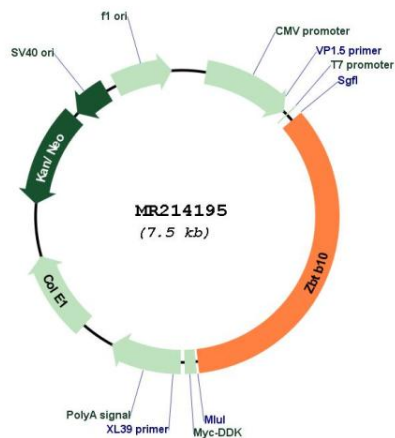
Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN:	NM_177660
ORF Size:	2583 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_177660.3 , NP_808328.2
RefSeq Size:	7464 bp
RefSeq ORF:	2586 bp
Locus ID:	229055
Cytogenetics:	3 A1
MW:	94.5 kDa

Product images:



Circular map for MR214195