

## Product datasheet for **RC238972**

### **ZBTB10 (NM\_001277145) Human Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ZBTB10 (NM_001277145) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZBTB10
Synonyms:	RINZF
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RC238972 representing NM\_001277145  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACAAGGCTGGAGCGCAGCTCCACCGCACAGTTATTTGCAAAGTCCCAGGTGAACCTCGTGGCGAGAG  
 AAGGAAAATGCGCGTCCCGGGCGCGGGAGTCAGAAATACCATCAGAGGAGGGTACTGTGACTTTAATAG  
 TAGGCCAAATGAGAACTCTTATTGCTATCAACTCTGCGACAACATAATGAACAGAGAAAAGAAAGTATT  
 CTTTGTGATGTCAGCATTGTGGTAAGCGGAAAAATCTTCAAAGCTCATAAGAACATCCTGGTTGCAGGCA  
 GCCGTTTCTTTAAGACTTTATATTGCTTTTCAAACAAAGAAAGCCCTAACCAAAACAATACTACCCACTT  
 AGATATTGCTGCAGTTCAAGGTTTTTCAGTCATCTTGGACTTCTTGTATTCTGGTAACCTGGTGCTCACA  
 AGCCAAAATGCCATTGAAGTTATGACCGTGCCAGCTATCTTCAAATGAGTGAAGTTGTTCAAACCTGCC  
 GAAATTTCAATAAGATGCCTTAAATATAAGCATTAAATCAGAAGCTCCAGAGTCTGTAGTTGTGGACTA  
 TAATAATAGAAAACAGTTAATAGAGATGGTCTGTCTTATCACGGGATCAAAAATTGCCAGTTTTTGG  
 GCAACACGGAAATCTTACCAATTTGGCAAGTAATGTAAAGATTGAAAATGATGGTTGTAATGTCGACGAGG  
 GCCAAATAGAAAACCTACCAATGAATGACAGTAGTTGGGTCCAGGATGGATCTCCTGAAATGGCTGAAAA  
 TGAATCTGAAGGTCAAACAAAAGTGTATTTGGAATAATATGGGCTCCCAGGGAATTCAGAGACTGGC  
 AAAACAAGGAGGAAAAACCAAACTACAAAAAGATTTATTTATAATATCCACCTAATAATGAAACGAATT  
 TAGAAGATTGCTCAGTAATGCAGCCACCTGTGGCTATCCAGAAGAAAATACACTACTCATCAAGGAAGA  
 ACCAGATTTAGATGGTGTCTACTCTCGGGCCAGATGGTGATAGGAATGGAATGCAAAATTTATGGCT  
 GAAGTGGCACTAGTCAAGATGGAGGTGATGCTGGTACTTACATGATTTCAAGTATGGTTGTGCTGCTG  
 GTCCTTCAAATGATTTCAAGTATGGATTGATACCAGTACTTCAAATGATTTCAAGTATGGATTGATACC  
 AGGTGCTTCAAATGATTTCAAGTATGGATTGATACCAGTACTTCAAATGATTTCAAGTATGGATTGATACC  
 GGTGAATCATCTCTAATCATGAACAAGTAAAAATGCCCTCATTGTAGCTATGTAGCCAAATACAGACGAA  
 CACTAAAAGGCCTTGCTCATTACACAGGAGTGAATCATTAGCTGTGATATTTGTGAAAACTGTT  
 TACTCGAAGAGACATGTAAAAAGACATTCCTGGTGCATAAAAAAGGATAAAAAATACAAATGTATGGTG  
 TGTAAGAAGATCTTCAATGTTAGCAGCCAGTGTGGAATAAGACATGGATCTCGACGTTATGGTGTGTTG  
 TAGACTGTGCAGATAAATCACAGCCAGGAGGGCAAGAAGGTGTAGATCAGGGACAGGATACAGAATCC  
 TCGGGATGAAGAATACGAGGAGAATGAAGTAGGAGAAGCTGATGAAGAGCTAGTTGATGATGGAGAAGAT  
 CAGAATGATCCCTCTCGATGGGATGAATCAGGAGAAGTTGTATGTCTCTAGATGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC238972 representing NM\_001277145  
 Red=Cloning site Green=Tags(s)

MTRLRSSHRTVICKVPGELVAREGKCASRARESEIPSEEGYCDFNSRPNENSICYQLLRQLNEQRKKGI  
 LCDVSIIVVSGKIFKAHKNILVAGSRFFKTLYCFSNKESPNQNTTHLDIAAVQGFVILDFLYSGNLVLT  
 SQNAIEVMTVASYLQMSEVVQTCRNF IKDALNISIKSEAPEVSVVDYNNRKPVNRDGLSSSRDQKIASFW  
 ATRNLNLASNVKIENDGCNVDEGQIENYQMNDSSWVQDGPSEMAENESEGTQKVF IWNMGSQGIQETG  
 KTRRNQTTKRFIYNIPPNNETNLEDCSVMQPPVAYPEENTLLIKEEPLDGLALLSGPDGDRNVNANLLA  
 EAGTSQDGGDAGTSHDFKYGLMPGPSNDFKYGLIPGTSNDFKYGLIPGASNDFKYGLLPESWPKQETWEN  
 GESSLIMNKLKCPHCSYVAKYRRTLKRHLLIHTGVRSFSCDICGKLFTRREHVKRHSLVHKDKKYYCMV  
 CKKIFMLAASVGI RHGSRRYGVCVDCADK SQPGGQEGVDQGDTEFPRDEEYEENEVGEADEELVDDGED  
 QNDPSRWDESGEVMSLDD

**TRTRPLEQKLI**SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

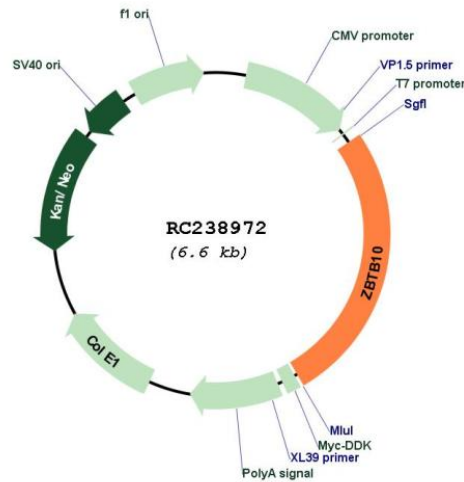
Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shutting:



\* The last codon before the Stop codon of the ORF

**Plasmid Map:**


ACCN: NM\_001277145

ORF Size: 1737 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_001277145.2</a>
<b>RefSeq Size:</b>	8649 bp
<b>RefSeq ORF:</b>	1740 bp
<b>Locus ID:</b>	65986
<b>UniProt ID:</b>	<a href="#">Q96DT7</a>
<b>Cytogenetics:</b>	8q21.13
<b>Protein Families:</b>	Transcription Factors
<b>MW:</b>	65.4 kDa
<b>Gene Summary:</b>	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]