

Product datasheet for **RC214144**

ZBTB39 (NM_014830) Human Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | ZBTB39 (NM_014830) Human Tagged ORF Clone |
| Tag: | Myc-DDK |
| Symbol: | ZBTB39 |
| Synonyms: | ZNF922 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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ORF Nucleotide
Sequence:

>RC214144 representing NM_014830
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGCATGAGGATCAAACCTGCAAAGCACCAACCACCCCAACAACCTGCTGAAGGAACCTCAACAAGTGCC
GGCTCTCAGAGACCATGTGCGACGTCAACATTGGTGGGAGCCGCTCCTTCCCGGCCACAAGGCTGT
GCTGGCCTGTGCAGCTGGCTACTTCCAGAACCTTCTCCTGAATACTGGGCTTGATGCTGCCAGGACCTAT
GTGGTGGACTTCATCACCCCTGCCAACTTTGAGAAGGTTCTGAGCTTTGTCTACACTTCAGAACTCTTCA
CAGACCTGATCAATGTTGGGTCATCTACGAGGTAGCTGAGCGTTTGGGTATGGAGGACCTCCTCCAGGC
CTGTCACTCTACCTTCTGATCTGGAGAGCACTGCCAGGGCCAAGCCCTGACCAGCACCAGTGAGAGC
CACTCTGGTACCCTGAGTTGCTTTCGGCAGAACCTGCCATCCCCTGGAGAACCTCGAGGTGGTGGGG
ACTACCTTGGTGTGATAGAAACTATGTGTTGCCAGTGATGCTGGAGGGAGCTATAAAGAGGAAGAGAA
GAATGTTGCCAGTGACGTAACCATAGCCTGCATCTGCCGAACCGCCCCACCACCGCCAAAGACAGAA
GACCATGACACCCCTGCTCCCTTACAGTCCATTCTAGCATGATGACCCAGCCACTCCTAGGCAGCTGCA
GCACGGGCATCCAGACCAGCAGAGCTCCTGCCAGCCATACAAAGTTCAAAGCAATGGAGACTTCAGTAA
AAACAGCTTCTCACCCCTGACAATGCAGTAGACATTACCACTGGGACCAACTCCTGTCTGAGCAATAGT
GAGCACTCCAAAGATCCTGGCTTTGGGCAGATGGATGAGCTCCAGCTCGAGGACCTGGGGGATGATGACT
TGCAGTTTGAAGACCCTGCTGAGGATATAGGCACAACCTGAGGAGGTGATTGAGCTGAGTGATGACAGTGA
GGATGAGTTGGCTTTTGGAGAGAATGACAATCGGGAGAATAAGGCCATGCCCTGCCAGGTGTGCAAGAAA
GTTCTAGAGCCCAACATCAACTGATCCGGCAGCATGCTCGGGACCATGTGGACCTGCTGACGGGCAACT
GCAAGGCTGCGAGACCCACTTCCAGGACCGAAACTCCCGGTAACCTCATGTCTGTCCACATGGTAT
TTTCTTTTCTCCTGCGACATGTGTGAACTAAGTTCTTTACCCAGTGGCAGCTGACCTTCCACCGACGG
GATGGAATATTTGAGAACAACATCATTGTCCACCCCAACGATCCCCTGCCAGGGAAGCTGGGTCTCTTTT
CAGGGGCAGCCTCCCGAGAGCTGAAATGCGCTGCCTGTGGGAAAGTATTGGCCAAAGATTTCCATGTGGT
CCGGGGCCACATCCTTGACCATCTAAACTTGAAGGGCCAGGCCTGCAGTGTCTGCGACCAGCGTCACCTT
AACCTCTGCAGCCTCATGTGGCACACGCTGTCCCATCTCGGCATCTCAGTCTTCTCCTGTCTGTCTGTG
CGAACAGCTTTGTGGACTGGCATCTTCTAGAGAAGCACATGGCTGTGCACCAAAGTCTGGAAGACGCCCT
CTTCCACTGCCGCTTGTGCAGCCAGAGCTTCAAGTCAGAGGCTGCCTATCGCTACCACGTGACCCAGCAC
AAATGCAACAGTGGCCTTGATGCACGGCCTGGTTTTGGGCTGCAGCACCCAGCTCTCCAGAAGCGGAAGC
TGCCAGCAGAGGAGTTTCTGGGTGAAGAGCTGGCGCTGCAGGGCCAACCTGGGAACAGCAAGTATAGCTG
CAAGGTCTGTGGCAAAAGATTTGCCACACAAGCGAATTAACCTACCACCGCGGATCCACACGGGGGAG
AAGCCATACCAATGTAAGGTGTGCCACAAGTTCTTTCGAGGCCGCTCGACCATCAAGTGCCACCTAAAGA
CACACTCGGGGGCCCTCATGTACCGCTGCACAGTCTGTGGGCACTACAGTTCCACCCTTAACCTCATGAG
CAAACATGTTGGTGTGCACAAAGGCAGCCTCCCCCTGACTTCACCATCGAGCAGACCTTCATGTACATC
ATCCATTCCAAAGAGGCGGATAAGAACCCGGACAGT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC214144 representing NM_014830
Red=Cloning site Green=Tags(s)

MGMRIKLQSTNHPNLLKELNKCRLSETMCDVTIVVGSRSFPAHKAVLACAAGYFQNLFLNTGLDAARTY
 VVDFITPANFEKVL SFVYTSSE LFDLINVGVIEVAERLGMEDLLQACHSTFPDLESTARAKPLTSTSES
 HSGT LSCPSAEP AHP L GELRGGDY LGADRNYVLP SDAGGSYKEEKNVSDANHSLHL P Q P P P P P K T E
 DHDT P A P F T S I P S M M T Q P L L G T V S T G I Q T S T S S C Q P Y K V Q S N G D F S K N S F L T P D N A V D I T T G T N S C L S N S
 E H S K D P G F G Q M D E L Q L E D L G D D D L Q F E D P A E D I G T T E E V I E L S D D S E D E L A F G E N D N R E N K A M P C Q V C K K
 V L E P N I Q L I R Q H A R D H V D L L T G N C K V C E T H F Q D R N S R V T H V L S H I G I F L F S C D M C E T K F F T Q W Q L T L H R R
 D G I F E N N I I V H P N D P L P G K L G L F S G A A S P E L K C A A C G K V L A K D F H V V R G H I L D H L N L K G Q A C S V C D Q R H L
 N L C S L M W H T L S H L G I S V F S C S V C A N S F V D W H L L E K H M A V H Q S L E D A L F H C R L C S Q S F K S E A A Y R Y H V S Q H
 K C N S G L D A R P G F G L Q H P A L Q K R K L P A E E F L G E E L A L Q G Q P G N S K Y S C K V C G K R F A H T S E F N Y H R R I H T G E
 K P Y Q C K V C H K F F R G R S T I K C H L K T H S G A L M Y R C T V C G H Y S T L N L M S K H V G V H K G S L P P D F T I E Q T F M Y I
 I H S K E A D K N P D S

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6676_f06.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_014830

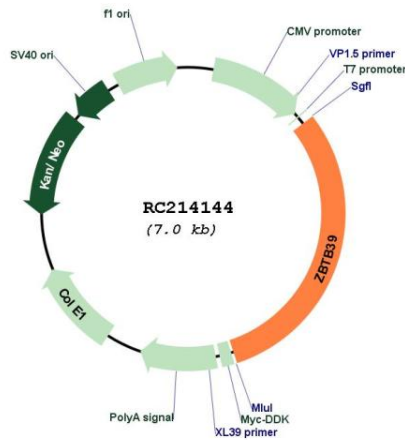
ORF Size: 2136 bp

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](#)

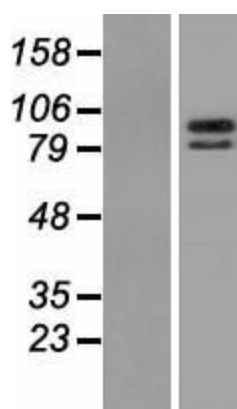
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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|-------------------------------|---|
| 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: | <u>NM_014830.1</u> , <u>NP_055645.1</u> |
| RefSeq Size: | 6170 bp |
| RefSeq ORF: | 2139 bp |
| Locus ID: | 9880 |
| UniProt ID: | <u>O15060</u> |
| Cytogenetics: | 12q13.3 |
| Domains: | BTB, zf-C2H2 |
| Protein Families: | Transcription Factors |
| MW: | 78.8 kDa |
| Gene Summary: | May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function] |

Product images:



Circular map for RC214144



Western blot validation of overexpression lysate (Cat# [LY415034]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC214144 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).