

Product datasheet for **RG203443**

ZBTB5 (NM_014872) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB5 (NM_014872) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZBTB5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

ORF Nucleotide Sequence:

>RG203443 representing NM_014872
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATTTTCTGGTCACTTTGAACAAATCTTCCAGCAGCTGAACTACCAGAGACTTCATGGCCAGCTCT
 GTGATTGTGCATTGTAGTGGGGAATAGACACTTTAAAGCCACCCTCGTGTGGCAGCATGCAGCAC
 GCATTTCCGAGCCCTGTTCTCAGTGGCAGAAGGAGATCAGACCATGAACATGATCCAGCTGGATAGCGAG
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 GCAATGTAATGGATGTCTATTGGCAGCCTCTCACCTGCATTTGAACTCTGTTGTTAAGGCATGTAACA
 TTACTTAACGACAAGGACGCTGCCCATGTCTCCCCCAGTGAGCGGTTCCAGGAGCAGAGCGCCCGCATG
 CAGCGCTCCTTTATGCTACAGCAGCTGGGACTAAGCATCGTGAGCTCAGCCCTCAATTCAGCCAGAATG
 GCGAGGAGCAGCCAGCCCCATGAGCTTCCATGCGCAGTAACCTGGATCAGCGCACGCCCTTCCCAT
 GAGACGCCTTCATAAGCGCAAGCAGTCTGCAGAGGAGCGGCCAGGCAGCGCCTCCGACCCTCCATAGAT
 GAGTCTGCCATTTAGATGTTACACCGGAGAATGGGCCTTCAGGGGTTCAATTCCTGGGAGGAGTTCTTTT
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 GATCATGTTTGATCAGTCTTTGGCACTCAAGAAGATGCCAGGTGCCAGCCAGTCTGATAACAGTGTCT
 GGCAACATGGCACAGTTGCCATGGCCTCTCGTCAACTCAGGTTGAGACTAGTTTTGATCAGGAAGCTG
 CACCTGAGAAAAGTAGTTTTAGTGTGAAAACCCTGAGGTTGGCCTTGGTGAGAAGGAGCACATGAGAGT
 GGTGGTTAAATCTGAGCCCTGAGCTCACCTGAGCCTCAGGATGAAGTGAAGTGTGACCTCACAAAGCA
 GAAGGCAGCGAGTCTGTGGAAGTGAAGGAGTTGGTTCAGTCCGAGAAGATAGACCTCAGCCCTGAAA
 GCAGTGATCGGAGTTTTTCAGATCCCAGTCTAGCACAGACAGGGTAGGTGATATCCATATTTTGGAAAT
 CACAAATAACCTAGAGCATAAAGTCCACTTTTAGTATTTTGAATTTTCTTAACAAGAGCAGAGGAAAATAAC
 TTTACTGCAAAATCAGAACAATGATGATAATATTCAAACACCACTAGTACTGCAGGCTGGAGAGTGAGG
 CCCCCTATTTGTTGAGTCCAGAGGCTGGGCTGCAGGTGGGCCCTCCTCTGCCCTGGCTCCCATGTAGA
 GAACCCATTTAGTGAACCTGCAGACTCCCCTTCGTCAGGCTATGCAGGAGGTGATGGGCTGCCGTGT
 GTGCAGACTTCAGGCTACCAAGGAGGAGAACAGTTTGGGATGGACTTTTCCAGGCTGGTTTGGGCTCC
 ACTCCTCCTTCTCCAGGTAATGATAGGTTCCCAAGGGAGGAGCCAGTAACTTCTTACTACCGCCG
 CATAGCTCCAAAATGCCAGTTGTAACCTCCGTCAGGAGCTCACAGATCCCAGAAAATCTACCAGTTCT
 CAGCTAATGATGAATGGAGCTACGTCCTCATTTGAAAATGGCCATCCTTCCAGCCTGGCCCTCCACAGT
 TGACCAGGCATCTGCAGATGTTCTGTCAAAGTGAAGAAGGCCTTATCAGAGCACAATGTTTTGTTGT
 AGAGGGAGCTCGCAAGTATGCCTGCAAAAATCTGCTGCAAAAATTTTCTGACTTTGACAGATTGCAAGAAG
 CACATCCGTGTTACACAGGTGAAAAGCCTTACGCTGCCTGAAGTGTGGCAAGAGGTTTAGTCAGTCCA
 GCCACCTGTATAAGCACTCAAAGACTACCTGCCTGCGCTGGCAGAGCAGCAATCTTCCAGCACTTTGCT
 C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG203443 representing NM_014872
Red=Cloning site Green=Tags(s)

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MDFPGHFEQIFQQLNYQRLHGQLCDCVIVVGNRHFKAHRSVLAACSTHFRALFSVAEGDQTMNMIQLDSE
VVTAEFAAALIDMMYTSTLMLGESNVMDVLLAASHLHLNSVVKACKHYL TTRTLPMSPPSERVQEQSARM
QRSFMLQQLGLSIVSSALNSSQNGEEQPAPMSSMRSNLDQRTPFPMRRLHKRKQSAEERARQLRPSID
ESAI SDVTPENGPSGVHSREEFFSPDSLKIVDNPKADGMDNQEDSAIMFDQSFQEDAQVPSQSDNSA
GNMAQLSMASRATQVETSFQDEAAPEKSSFQCNPEVGLGEKEHMRVVVKSEPLSSPEPQDEVSDVTSQA
EGSE SVEVEGVVSAEKIDLSPESDRSFDPSQSTDRVGDIIHILEVTNNLEHKSTFSISNFLNKS RGN
FTANQNNDNIPNTTSDCRLESEAPYLLSPEAGPAGGSSAPGSHVENPFSEPADSHFVRPMQEVMLGPC
VQTSQYQGGEQGMDFSRSLGLHSSF SRVMIGSPRGGASNFYRRIAPKMPVVT SVRSSQIPENSTSS
QLMMNGATSSFENGHPSQPGPPQLTRASADVL SKCKKALSEHNVLVVEGARKYACKICCKTFLTLTDCK
HIRVHTGEKPYACLKCGKRFSSSHLYKHSKTTCLRWQSSNLPSTLL
    
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014872

ORF Size: 2031 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:

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_014872.1](#), [NP_055687.1](#)

RefSeq Size: 4631 bp

RefSeq ORF: 2034 bp

Locus ID: 9925

UniProt ID: [O15062](#)

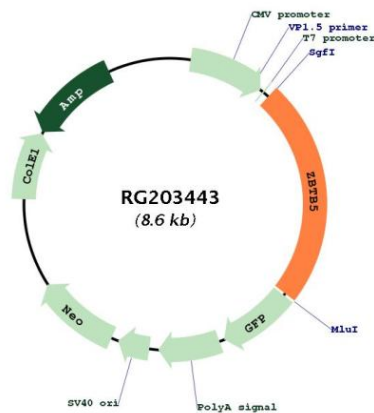
Cytogenetics: 9p13.2

Domains: BTB, zf-C2H2

Protein Families: Transcription Factors

Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG203443