

Product datasheet for **RG226989**

ZBTB43 (NM_001135776) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	ZBTB43
Synonyms:	ZBTB22B; ZNF-X; ZNF297B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG226989 representing NM_001135776
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGCCTGGAACAACTCTTTTCGGGTAGAATTTCTGATTTTCCAGCACCATTCTACAGAACTGA
 ACCAGCAGCGCCAGCAAGGACAATTATGTGACGTCTCCATTGTTGTCCAAGGCCACATTTCCGGGCACA
 CAAAGCCGTTCTTGTCTGCCAGTTCACCCTACTTTGTGACCAGGTACTCTGAAAAACAGCAGGAGAATT
 GTTTTGCTGATGTGATGAACCAAGAGTGTGAGAACATTCCTATCTAGTTATACAGGACGTCTAG
 TAATGCCGCTCCAGAAATTGTAGTTACTTGACAGCGGCAAGCTTCCTCCAGATGTGGCATGTGGTAGA
 CAAATGCACTGAAGTTTTAGAGGGAACCTACAGTCCTTTGTGAGAAGCTAAATCATGGCAGTGACCAC
 CAGTCACCAAGCAGCAGTAGTTATAATGGCCTGGTAGAGAGCTTTGAGCTGGGCTCTGGGGTCATACTG
 ATTTTCCAAAGCCCAAGAACTGAGAGATGGTAAAAATGAAGAGGAGAGCACCAGACGAGCTGTCATC
 CCAGCTACCGAGCAGCAATACCTGCCAGCAACTCGTCCAGAGCATGACCGCTGAGCAGGAAATG
 GCAAGCCAGGATGGGGAGGAGGCCGAGCAGCAGCGCCGAGTTCCACTACACCCGGCCCATGTACAGCA
 AGCCCAGCATCATGGCTCACAACGCTGGATCCACGTGAAGCCGAGCGCTTAGAACAGGCTTGCAGGG
 CATGGATGTGCACGCGACCTACGACGAGCACCAGGTACAGAGTCCATCAACACCGTGCAGACAGAGC
 ACGGTGCAGCCTTCGGGAGTGGAGGAGGACTTCCACATCGGGGAGAAGAAAGTGAAGCTGAGTTTGTG
 AACAGGCTGATGAAAGCAATTATGATGAGCAGGTGGATTTCTATGGCTCTTCCATGGAAGAGTTTTCCGG
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 ATTGAAATGGTAACAGGGATTAAGAAGAAGCTTCCCACTTAGGATTCTCAGCCACCGACAAGCTGTATC
 CTTGTGAGTGTGGGAAAGTTTCACTCACAAGAGTCAGAGAGATCGGCACATGAGCATGCACCTCGGTCT
 TCGGCCTTACGGCTGTGGGGTCTGCGGTAAAGAAATCAAAATGAAGCACCATCTCGTGGGCCACATGAAA
 ATTCACACAGGCATAAAGCCGATAGTGTAAATATCTGTGCAAGAGGTTTATGTGGAGGGACAGTTTCC
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 C

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

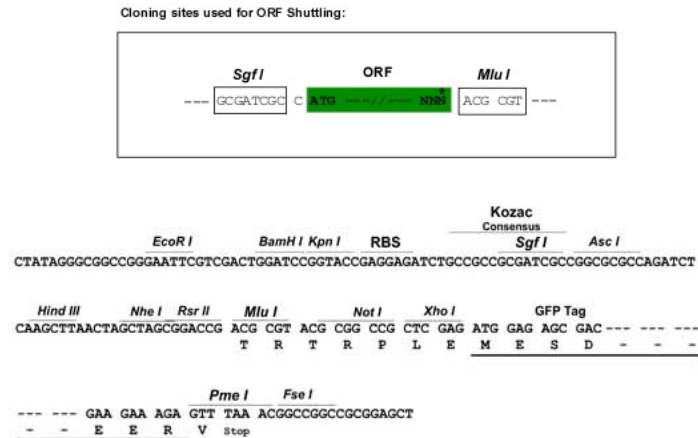
Protein Sequence: >RG226989 representing NM_001135776
 Red=Cloning site Green=Tags(s)

MEPGTNSFRVEFPDFSSITLQKLNQRRQQQLCDVSIIVVQGHIFRAHKAVLAASSPYFCDQVLLKNSRRI
 VLPDVMNPRVFENILLSYTGRVMPAPEIVSYLTAASFQMWVVDKCTEVLEGNPTVLCQKLNHGSDH
 QSPSSSYNGLVESFELSGGHTDFPKAQELRDGENEEESTKDELSSQLTEHEYLPNSNSTEHDRLSTEM
 ASQDGEEGASDSAEFHYTRPMYSKPSIMAHKRWIHVKPERLEQACEGMDVHATYDEHQVTEINTVQTEH
 TVQPSGVEEDFHIGEKKEAEFDEQADESNYDEQVDFYGSMEEFSGERSDGNLIGHRQEAALAAGYSEN
 IEMVTGIKEEASHLGFSATDKLYPCQCGKSFTHKSQRDRHMSMHLGLRPYGCVCVCGKKFKMKHHLVGHMK
 IHTGIKPYECNICAKRFMWRDSFHRHVTSTKSYEAAKAEQNTTEAN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001135776

ORF Size: 1401 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:

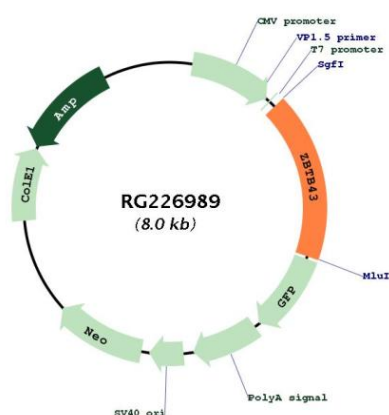
1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001135776.1](#), [NP_001129248.1](#)

RefSeq Size:	5851 bp
RefSeq ORF:	1404 bp
Locus ID:	23099
UniProt ID:	O43298
Cytogenetics:	9q33.3
Protein Families:	Transcription Factors
Gene Summary:	May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG226989