

## Product datasheet for **RG214363**

### ZBTB34 (NM\_001099270) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB34 (NM_001099270) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZBTB34
Synonyms:	ZNF918
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG214363 representing NM\_001099270  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGACAGCAGCAGTTTTATTTCAGTTTGTGTGCCGAGTACAGCAGCACCGTTCTGAGCCAGCTAAACG  
 AACTCCGCTGCAGGGAACTATGTGACATCATTGTACACATTCAGGGTCAGCCATTCCGAGCCACAA  
 AGCAGTCTTGCTGCCAGCTCCCATATTTCCGGGACCATTACAGCGTTAAGTACCATGAGTGCTTGTCA  
 ATATCAGTGATTAATAATCCCAATGTGTTTGTGAGCAGTTGCTTTCTTTTGTACTGGAAGAATGCTCT  
 TGCAGCTGAAGGATGTTGTGAGTTTCTGACTGCAGCCAGCTTTCTTCAGATGCAGTGTTCATTGACAA  
 GTGCACGCAGATCCTAGAGAGCATCCATTCCAAAATCAGCGTTGGAGATGTTGACTCTGTTACCGTCGGT  
 GCTGAAGAGAATCCGAGAGTCGAAACGGAGTGAAGACAGCAGCTTCTTCCAAACCCAGTGGAGATCT  
 CTCTCCATATTGCTCTCAGGGACGGCAGCCACCGAAGCAGTGACCTCCGGATGGAGACGACCCCGAG  
 CAAAGCTTTGCGCAGCCGTTACAGGAGGAGGGCACTCAGACCGGGGAGCAGTGGGAGCGTTTCTGAA  
 TATGAGATTAGATAGAGGGAGACCATGAGCAAGGAGACCTATTGGTGGAGGAGGCCAGATCACCGAGG  
 TGAAAGTGAAGATGGAGAAGTCCGACCGGCCAGCTGTTCCGACAGCTCCTCCCTGGGTGACGATGGGTA  
 CCACACCGAGATGGTTGATGGGGAACAAGTTGTGGCAGTGAATGTGGGCTCCTATGGTTCTGTGCTCCAG  
 CACGCATACTCCTATCCCAAGCAGCCTCACAGCCAACCAATGTATCAGAAGCTTTTGAAGTTTGAAGTA  
 ATTCCAGCCATCCAGGTCCATGCTGAGCTGTTCCGAGGAGGGCGTGCCCGCCAGAAGCGGGCTTTGTC  
 TGTCCACCTGCACAGTACCTGCAGGGCCTGGTGCAGGGCTCTGACAGTGAAGCCATGATGAACAACCC  
 GGGTATGAGAGCAGTCCCGGGAGAGGAGTGCAGAGGGCATTGGTACCCGTACAATGAGAGTTGATCT  
 GTATTTACTGTGGAAGTCTTTCAACAGAAAGGAGCCTTGATAGGCACATGCGACTCCATATCCGGAAT  
 CACCCCTTTGTGTGCAAGTTCTGTGGGAAGAAGTACACACGGAAGGACCAACTGGAGTACCACATCCGG  
 GGCCATACAGATGATAAACCATTCCGCTGTGAGATCTGCGGGAAGTGCTTTCCATTCCAAGTACCTCA  
 ACCAGCACTTGCGGAAAAACCCAGGCGTTGCTGAAGTCAAGGAGTCGATTGAGTCCCGGAGAGAAC  
 AGATGTGTACGTGGAACAGAACTAGAAAATGACGCATCGGCCTCAGAGATGGGCCTAGATTCGCGGATG  
 GAAATTCACACAGTGTCTGATGCTCCCGAT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG214363 representing NM\_001099270  
 Red=Cloning site Green=Tags(s)

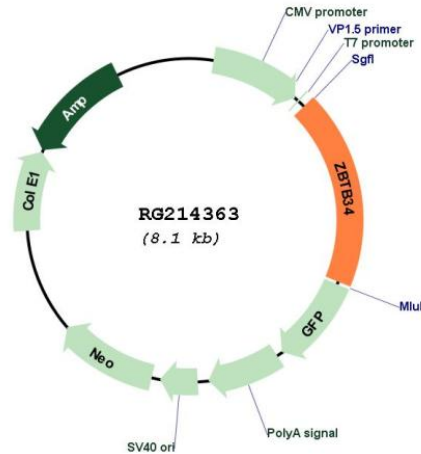
MDSSSFIIQFDVPEYSSTVLSQLNELRLQGLCDIIVHIQGPFRHAKAVLAASSPYFRDHSALSTMSGLS  
 ISVIKPNVFEQLLSFCYTGRMSLQLKDVVSFLTAASFQMOCVIDKCTQILESIIHSKISVGDVDSVTVG  
 AEENPESRNGVKDSSFFANPVEISPPYCSQGRQPTASSDLRMETTPSKALRSRLQEEGHSDRGSSGVSVE  
 YEIQIEGDHEQGDLLVRESQITEVKVMEKSDRPSGSDSSSLGDDGYHTEMVDGEQVAVNVGSGSVLQ  
 HAYSYSQAASQPTNVSEAFGSLSNSSPSRSMSCFRGGRARQKRALSVHLHSDLQGLVQGSSEAMMNP  
 GYESSPRERSARGHWYPYNERLICIYCGKSFNQKGLDRHMLHMGITPFVCKFCGKKYTRKDQLEYHIR  
 GHTDDKPFRCIECGKCFPFQGLTNQHLRKNHPGVAEVRRIESPRTDVYVEQKLENDASASEMGLDSRM  
 EIHTVSDAPD

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI



**Plasmid Map:**


**ACCN:** NM\_001099270

**ORF Size:** 1500 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\\_001099270.2](#)

**RefSeq Size:** 6577 bp

**RefSeq ORF:** 1503 bp

**Locus ID:** 403341

**UniProt ID:** [Q8NCN2](#)

**Cytogenetics:** 9q33.3

**Gene Summary:** May be a transcriptional repressor.[UniProtKB/Swiss-Prot Function]