

## Product datasheet for **RG208182**

### ZBTB12 (NM\_181842) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB12 (NM_181842) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZBTB12
Synonyms:	Bat9; C6orf46; D6S59E; G10; NG35
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG208182 representing NM\_181842  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCCTCTGGGTGGAAGTCCTGCGCTTCCAGCTGCCCGCCACGAGGCCGCAACGCTACGGAACATGA  
 ACCAGCTCCGGGCAGAGGAGCGGTTCTGCGACGTGACCATTGTGGCCGACAGCCTCAAGTTTCGAGGCCA  
 CAAGGTCACTTTGGCCGCTGCTCACCTTCTGCGGGACCAGTTCTGCTGAACCCAGCTCGGAGCTG  
 CAGGTCTCCCTGATGCACAGTGCACGCATCGTGGCCGACTTGCTCCTCTCCTGCTACACGGGCGCCTTG  
 AATTCGCTGTAGGGACATCGTCAACTACCTTACAGCCGCTCTACCTGCAGATGGAGCACGTGGTGGA  
 GAAATGCCGGAATGCCCTCAGCCAGTTCATTGAGCCAAAATAGGCTCAAAGAGGATGGGGTCAGTGAG  
 GCTAGCCTTGTGAGCAGCATCAGCGCCACCAAGTCCCTCCTCCCTCCAGCCAGGACCCCAAAGCCAGCCC  
 CGAAGCCCCACCCACCTCCTACCCCTCCACTCCTGCGGCCAGTGAAGCTGGAGTCCCCTGGA  
 TGAAGACTTGGAGCTGAAAGCCGAGGAAGAGGATGAGGATGAGGATGAGGACGTGTCTGACATCTGCATC  
 GTCAAGGTGGAGTCGGCCCTGGAGGTGGACACCGGCTCAAACCCCTGGAGGCCTGGGAGGGGGTCTGG  
 GCATTGGAGGCTCCGTGGGTGGCCACCTTGGGGAGCTGGCCAGAGCAGCGTTCCCCCAGCACTGTAGC  
 CCCACCGCAGGGTGTGGTGAAGGCTGCTATAGCCTGTCGGAAGATGCAGAAGGGGAGGGCTGCTGTTG  
 ATTCGCGAGGCCGGGCCAGCGTGGGGCCACCTCGGGCTGGTGAAGCAGCAGCGGTGGCCATGGCTG  
 CCCGGGGGGCGGGGGCAGCCTGGGGGGGGGGCAGCCGGGGACCCCTGCCTGGGGCTTCTCAGGTGG  
 AAACCCCTTAAAGAACATCAAGTGCACCAAGTGCCCGAAGTGTCCAGGGCGTGGAAGCTGGTCTTC  
 CACATCGGGGCGCAGCACTTTCATCTTTCATGTGCCCTCGCTGTGGCAAGCAGTTCAACCACAGCAGCAACC  
 TCAACCGCCACATGAACGTGCATCGTGGTGTCAAGTCACTCGTGCAGCATCTGCGGCAAGTGCCTCAC  
 ACAGAAGTCCACCTTACGACCACCTCAACCTGCACTCGGGAGCGGGCCCTACCGCTGCTCCTACTGC  
 GACGTGCGCTTCGCCACAAGCCTGCCATTAGCGGCACCTCAAGGAGCAACACGGCAAGACCACGGCCG  
 AGAACGTGCTGGAGGCCAGTGTGGCCGAGATTAACGTCCTCATCCGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG208182 representing NM\_181842  
 Red=Cloning site Green=Tags(s)

MASGVEVLRFLPGHEAATLRNMNQLRAEERFCDVTIVADSLKFRGHKIVILAACSPFLRDQFLNPSSEL  
 QVSLMHSARIVADLLLSCYTGALEFAVRDIVNYLTAASYLQMEHVVEKCRNALSQFIEPKIGLKEDGVSE  
 ASLVSSISATKSLPPARTPKPAPKPPPPPLPPPLLRPVKLEFPLDEDLELKAEEDEDEDEDVSDICI  
 VKVESALEVAHRLKPPGGLGGGLIGGSVGGHLGELAQSSVPPSTVAPPQGVVKACYSLSEDAEGEGLLL  
 IPGGRASVGATSGLVEAAVAMAARGAGGSLGAGGSRGPLPGGFSGGNPLKNIKCTKCEVFQGVKLVF  
 HMRAQHFI FMCPRCGKQFNHSSNLNRHMNVHRGVKSHSCGICGKCFQKSTLHDHLNLHSGARPYRCSYC  
 DVRFAHKPAIRRHLEQHGKTTAENVLEASVAEINVLIR

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_181842

**ORF Size:** 1377 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\\_181842.3](#)

**RefSeq Size:** 1931 bp

**RefSeq ORF:** 1380 bp

**Locus ID:** 221527

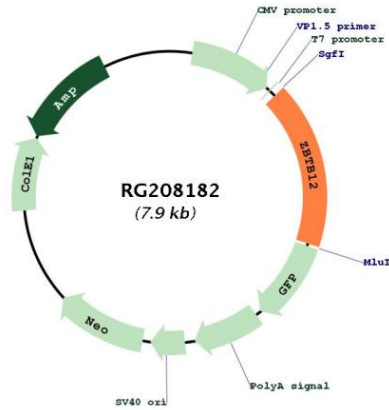
**UniProt ID:** [Q9Y330](#)

**Cytogenetics:** 6p21.33

**Protein Families:** Transcription Factors

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

**Product images:**



Circular map for RG208182