

## Product datasheet for **RG225863**

### ZBTB37 (NM\_001122770) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZBTB37 (NM_001122770) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZBTB37
Synonyms:	D430004I08Rik; ZNF908
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG225863 representing NM\_001122770  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAAAGGTGGGAACATACAATTGGAGATTCTGACTTCAGCAACTCTGTCCTGAGCCATCTAAACC  
 AGTTGCGCATGCAGGGCGTCTCTGTGATATTGGTCAATGTGCAAGGACAAGCTTTTCGGCTCACAA  
 AGTGGTGTGGCTGCCAGCTCCCCCTATTTCCGGGATCACATGTCTTGAATGAGATGAGTACAGCTCC  
 ATTTCACTCATCAAGAACCCTACTGTTTTTGAACAGCTCCTTTCTTTCTGTTACACAGGGCGGATATGCC  
 TGCAACTGGCAGATATCATCAGCTACCTAACAGCTGCCAGTTTTCTGCAATGCAGCATATTATAGACAA  
 ATGTACACAGATCCTGGAGGGCATTCAATTTCAAATAATGTGGCTGAGGTTGAAGCAGAATTAAGTCAA  
 ACAAGGACAAAGCATCAAGAGAGACCTCCAGAGTCTCACAGGGTACACCAAATCTCAACCGCTCCCTTA  
 GCCCAGCATAATACCCCAAAGGAAACCGGCGAGGTCAGGTTAGTGTGTGCTGGATATCAGAGAGCT  
 AAGTCCTCCTGAGGAGTCCACCAGCCCTCAGATCATTGAACCAAGTTCTGATGTAGAGAGCCGGGAGCCC  
 ATCTTCCGGATCAACCGAGCAGGACAGTGGTATGTGGAGACAGGAGTGGCGGACCGTGGGGTCCGAGTG  
 ATGATGAAGTTAGAGTCTTGGAGCAGTACACATCAAACTGAAAATCTGGAGGAGTGGCTTGGCCTGA  
 GAATCAGCCTTCTGGAGAAGATGGGAGTAGTGCAGAGGAAGTAACAGCCATGGTGATTGATACCACAGGC  
 CATGGTTCTGTAGGACAGGAAAATTATACTTTAGGGTCTTCAGGAGCCAAGGTGGCTCGGCCAACAGCA  
 GTGAAGTTGACAGATTTAGCCCCCCTCCGGCAGTGTGTTCCCTTGACAGAGAGACACAGAGCCAGAAGTGA  
 GTCTCCTGGGAGAATGGATGAGCCTAAGCAACCCAGCTCCCAGGTAGAAGAGTCAGCAATGATGGGAGTA  
 AGTGGCTATGTGGAGTATCTCCGAGAGCAGGAAGTATCTGAGCGTGGTCCGGTACAACCCTCGTCTCA  
 CCTGCTATTGCGCCAAATCTTTCAACCAGAAGGGAAGCCTGGACCGCCACATGCGCTACACATGGG  
 GATCACACCATTGCTCTGCCGATGTGTGGCAAGAAGTATACCCGAAAGATCAGCTGGAGTATCATATC  
 CGCAAGCACACAGGCAACAAGCCCTTCTACTGTATGTCTGTGGCAAAAGTTTCCCTTCCAGGCCATCT  
 TGAATCAGCACTTTCGAAAAACCACCCTGGCTGTATACCCTGGAGGGCCCTCACAGCATCTCCCTGA  
 AACAACTGTCACATCTCGAGGACAAGCTGAGGAAGAGTACCTTTCACAGGAAGAGACAGTTGCTCTGG  
 GAAGCTGTCCAGGGCTCTGTGTCCACCCTGGCCAGAC

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>RG225863 representing NM\_001122770  
 Red=Cloning site Green=Tags(s)

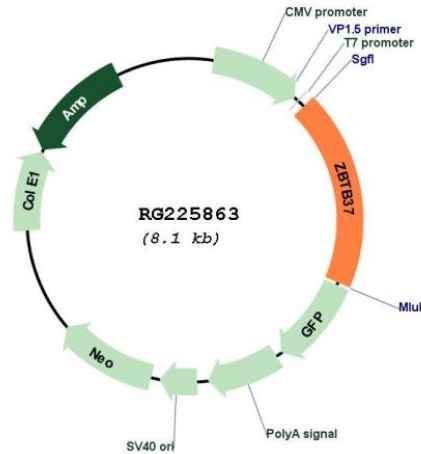
MEKGGNIQLEIPDFSNSVLSHLNQLRMQGRLCDIVVNVQQAFAHAKVLAASSPYFRDHMSLNEMSTVS  
 ISVIKNTVFEQLLSFCYTGRICLQLADIISYLAASFQMHIIDKCTQILEGIHFKINVAEVEAELSQ  
 TRTKHQERPPESHRTVTPNLNRSLSPRHNTPKGNRRGQVSAVLDIRELSPPEESTSPQIIEPSSDVESREP  
 ILRINRAGQWYVETGVADRGGSDDEVRLGAVHIKTENLEEWLGPENQPSGEDGSSAEVETAMVIDTTG  
 HGSVGQENYTLGSSGAKVARPTSSEVDRFSPSGSVVPLTERHRARSESPGRMDEPKQPSSQVEESAMMGV  
 SGYVEYLREQEVSERWFRYNPRLTCIYCAKSFNQKSLDRHMLHMGITPFVCRMCGKKYTRKDQLEYHI  
 RKHTGNKPFHCHVCGKSFPPQAILNQHFRKNHPGCIPLGPHSISPETTTSRQQAEESPSQEETVAPG  
 EAVQGSVSTTGPD

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-Mlul



**Plasmid Map:**


<b>ACCN:</b>	NM_001122770
<b>ORF Size:</b>	1509 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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\\_001122770.3](#)

**RefSeq Size:** 2300 bp

**RefSeq ORF:** 1512 bp

**Locus ID:** 84614

**UniProt ID:** [Q5TC79](#)

**Cytogenetics:** 1q25.1

**Protein Families:** Transcription Factors

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