

## Product datasheet for **RG212308**

### TZFP (ZBTB32) (NM\_014383) Human Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** TZFP (ZBTB32) (NM\_014383) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** TZFP  
**Synonyms:** FAXF; FAZF; Rog; TZFP; ZNF538  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG212308 representing NM\_014383  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGTCCCTGCCCCCATAAGACTGCCAGCCCCTATGGCTCTGATCGGCTGGTACAGCTAGCAGCCAGGC  
 TCCGGCCAGCACTCTGTGATACTCTGATCACCGTAGGGAGCCAGGAGTCCCCGCCACAGCCTGGTGCT  
 AGCAGGTGTCAGCCAGCAGCTGGCCGCGAGGGCCAGTGGGCTCTGGGAGAAGGCATCAGCCCTTCTACC  
 TTTGCCAGCTCCTGAACCTTGTGTATGGGAGAGTGTAGAGCTGCAGCCTGGAGAGCTAAGGCCCTTC  
 AGGAGGGCGCCAGGGCCTTGGGAGTGCAGTCCCTGGAAGAGGCATGCTGGAGGGCTCGAGGGGACAGGGC  
 TAAAAAGCCAGATCCAGGCCTGAAGAAACATCAGGAGGAGCCAGAGAAACCTCAAGGAATCCTGAGAGA  
 GAACTGGGGGACCCTGGAGAGAAGCAGAAACAGAACAGGTTTCTAGAACTGGTGGGAGAGAACAGGAGA  
 TGTTGCACAAGCACTCGCCACCAAGAGGCAGACCCGAGATGGCAGGAGCAACGCAGGAGGCTCAGCAGGA  
 ACAGACCAGGTCAAAGGAGAAACGCCTCCAAGCCCTGTTGGCCAAAGGGGAGCAGATGGGAAGCATGGA  
 GTGCTCACGTGGTTGAGGGAAAAATCCAGGGGGCTCTGAGGAAAGTCTGCGCAAGCTCCCTGGCCCCCTTC  
 CCCCAGCAGGCTCCCTGCAAACACAGCGTCACCCCTAGGCCCTCGTGGGCTGAGGCCCTTGGTTGGTGGG  
 GGGCCAGCCTGCCCTGTGGAGCATCCTGCTGATGCCGCCAGATATGGCATTCCCTTCTACCATAGCACC  
 CCCACCACTGGAGCCTGGCAGGAGGTCTGGCGGGAACAGAGGCGCACTTGCAACCTGTGCCGGTCA

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG212308 representing NM\_014383  
 Red=Cloning site Green=Tags(s)

MSLPPIRLPSPYGSDDL VQLAARLRPALCDTLITVGSQEFPAHSLVLAGVSQQLGRRGQWALGEGISPST  
 FAQLLN FVYGESVELQPGELRPLQEAARALGVQSL EACWRARGDRAKK PDPGLKKHQEEPEKPSRNPER  
 ELGDPGEKQKPEQVSRTGGREQEMLHKHSPPRGRPEMAGATQEAQQEQTRSKEKRLQAPVQQRGADGKHG  
 VLTWLRENPGGSEESLRKLPGLPPAGSLQTSVTPRPSWAEAPWL VGGQPALWSILLMPPRYGIPFYHST  
 PTTGAWQEVWREQRRTCNL CGS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_014383

**ORF Size:** 906 bp

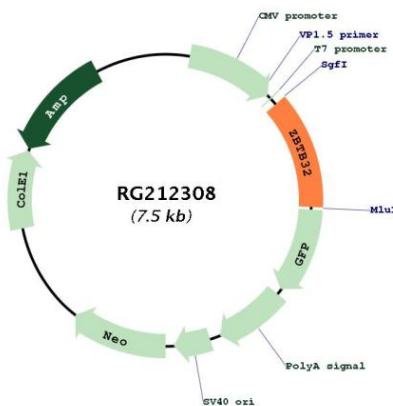
**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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.

<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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_014383.1</a> , <a href="#">NP_055198.1</a>
<b>RefSeq Size:</b>	1960 bp
<b>RefSeq ORF:</b>	1464 bp
<b>Locus ID:</b>	27033
<b>UniProt ID:</b>	<a href="#">Q9Y2Y4</a>
<b>Cytogenetics:</b>	19q13.12
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	DNA-binding protein that binds to the to a 5'-TGTACAGTGT-3' core sequence. May function as a transcriptional transactivator and transcriptional repressor. Probably exerts its repressor effect by preventing GATA3 from binding to DNA. May play a role in regulating the differentiation and activation of helper T-cells (By similarity).[UniProtKB/Swiss-Prot Function]

## Product images:



Circular map for RG212308