

## Product datasheet for **RG203822**

### ZFAND2B (NM\_138802) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZFAND2B (NM_138802) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZFAND2B
Synonyms:	AIRAPL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG203822 representing NM_138802 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGAGTTCCGGACCTCGGCGCTCACTGTTCCGGAGCCGAGCTGTCAGCGCTTGGATTTCTGCCGCTTA  
AGTGTGATGCCTGCTCAGGCATCTTCTGCGCAGACCATGTGGCCTACGCCAGCATCACTGTGGATCTGC  
TTACCAAAGGATATCCAGGTACCTGTGTGCCCTCTCTGTAATGTGCCTGTGCCTGTGGCCAGAGGGGAG  
CCCCCTGACCGTGCTGTGGGAGAGCACATTGACAGAGACTGTCGCTCTGATCCAGCACAGCAAAAACGTA  
AGATCTTCACCAATAAGTGTGAACGCGCTGGCTGCCGGCAGCGAGAAATGATGAAACTGACCTGTGAACG  
CTGTAGCCGAAACTTCTGCATCAAGCACCGGCATCCACTGGACCATGATTGCTCTGGGGAGGGGCACCCA  
ACCAGCCGGGCAGGACTTGTGCCATCTCCAGAGCACAAGCTGTGGCTTCTACAAGCACTGTCCCCAGCC  
CAAGTCAAACCATGCCTTCTGTACCTCTCCCAGCAGAGCCACAACCCGATCTCCGTCTGGACAGCCCC  
TCCAGTGATTGCTTTCAGAAATGGCCTGAGTGAGGATGAAGCTCTGCAGCGGGCCCTGGAATGTCCCTG  
GCAGAAACCAACCCAGGTTCCAAGTTGTCAGGAGGAAGAAGACCTAGCTTTAGCACAAGCACTGTCAG  
CCAGTGAGGCAGAATACCAGCGGCAGCAGGCCAGAGCCGAGCTCGAAGCCGTCCAACCTGCAGCCTGTG  
C

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG203822 representing NM\_138802  
Red=Cloning site Green=Tags(s)

MEFPDLGAHCSEPSQRLDFLPLKCDACSGIFCADHVAYAQHHCGSAYQKDIQVPVPCPLCNVPVPVARGE  
 PPDRAVGEHIDRDCRSDPAQQRKIFITNKCERAGCRQREMMKLTCECSRNFCEIKHRHPLDHDSCSGEGHP  
 TSRAGLAAISRQAQAVASTSTVSPSQTMPSTSPSRATRSPSWTAPPVIALQNLSEDEALQRALEMSL  
 AETKPQVPSCQEEEDLALAQAALSASEAEYQRQQAQSRSSKPSNCSLC

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_138802

**ORF Size:** 771 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\\_138802.3](#)

**RefSeq Size:** 1319 bp

**RefSeq ORF:** 774 bp

**Locus ID:** 130617

**UniProt ID:** [Q8WV99](#)

**Cytogenetics:** 2q35

**Domains:** ZnF\_AN1, UIM

**Gene Summary:** This gene encodes a protein containing AN1-type zinc-fingers and ubiquitin-interacting motifs. The encoded protein likely associates with the proteasome to stimulate the degradation of toxic or misfolded proteins. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Aug 2012]

**Product images:**



Circular map for RG203822