

## Product datasheet for **RG232131**

### **ZA20D3 (ZFAND6) (NM\_001242913) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZA20D3 (ZFAND6) (NM\_001242913) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ZFAND6  
**Synonyms:** AWP1; ZA20D3; ZFAND5B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG232131 representing NM\_001242913  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCTCAAGAACTAATCACAGCCAAGTGCCTATGCTTTGTTCCACTGGCTGTGGATTTTATGAAACC  
CTCGTACAAATGGCATGTGTTTCAGTATGCTATAAAGAACATCTTCAAAGACAGAATAGTAGTAATGGTAG  
AATAAGCCACCTGCAACCTCTGTCAGTAGTCTGTCTGAATCTTACCAGTTCAATGCACAGATGGCAGT  
GTGCCAGAAGCCAGTCAGCATTAGACTCTACATCTTCATCTATGCAGCCAGCCCTGTATCAAATCAGT  
CACTTTTATCAGAATCTGTAGCATCTTCTCAATTGGACAGTACATCTGTGGACAAAGCAGTACCTGAAAC  
AGAAGATGTGCAGGCTTCAGTATCAGACACAGCACAGCAGCCATCTGAAGAGCAAAGCAAGTCTCTTGAA  
AAACCGAAACAAAAAAGAATCGCTGTTTCATGTGCAGGAAGAAAAGTGGGACTTACTGGGTTTGAATGCC  
GGTGTGGAATGTTTACTGTGGTGTACACCGTTACTCAGATGTACACAATTGCTCTTACAATTACAAAGC  
CGATGCTGCTGAGAAAATCAGAAAAGAAAATCCAGTAGTTGTTGGTGAAGATCCAAAAGATT

**ACGCGTACGCGGCCGCTCGAG** - GFP Tag - GTTTAA

**Protein Sequence:** >RG232131 representing NM\_001242913  
**Red=Cloning site Green=Tags(s)**

MAQETNHSQVPMCLCSTGCGFYGNPRTNGMCSVCYKEHLQRQNSSNGRISPPATSVSSLSLSESLPVQCTDGS  
VPEAQSALDSTSSSMQSPVSNQSLSESVASSQLDSTSVDKAVPETEDVQASVSDTAQQPSEEQSKSLE  
KPKQKNRCFMCRKKGVLTFEFCRGNVYCGVHRYSVDVHNCYNYKADAAEKIRKENPVVVGEEKIQKI

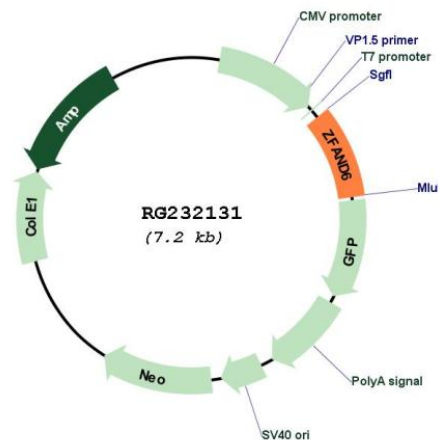
**TRTRPLE** - GFP Tag - V

**Restriction Sites:** Sgfl-MluI



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**Cloning Scheme:**

**Plasmid Map:**


**ACCN:** NM\_001242913

**ORF Size:** 624 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\\_001242913.1](#), [NP\\_001229842.1](#)

**RefSeq Size:** 1698 bp

**RefSeq ORF:** 627 bp

**Locus ID:** 54469

**UniProt ID:** [Q6FIF0](#)

**Cytogenetics:** 15q25.1

**Gene Summary:** Involved in regulation of TNF-alpha induced NF-kappa-B activation and apoptosis. Involved in modulation of 'Lys-48'-linked polyubiquitination status of TRAF2 and decreases association of TRAF2 with RIPK1. Required for PTS1 target sequence-dependent protein import into peroxisomes and PEX5 stability; may cooperate with PEX6. In vitro involved in PEX5 export from the cytosol to peroxisomes (By similarity).[UniProtKB/Swiss-Prot Function]