

## Product datasheet for **RG236337**

### **ZA20D3 (ZFAND6) (NM\_001242919) Human Tagged ORF Clone**

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ZA20D3 (ZFAND6) (NM\_001242919) Human Tagged ORF Clone  
**Tag:** TurboGFP  
**Symbol:** ZA20D3  
**Synonyms:** AWP1; ZA20D3; ZFAND5B  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC-GFP (PS100010)  
**E. coli Selection:** Ampicillin (100 ug/mL)  
**ORF Nucleotide Sequence:** >RG236337 representing NM\_001242919.  
Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCTCAAGAACTAATCACAGCCAAGTGCCTATGCTTTGTTCCACTGGCTGTGGATTTTATGAAAC
CCTCGTACAAATGGCATGTGTTCAAGTATGCTATAAAGAACATCTCAAAGACAGAATAGTAGTAATGGT
AGAATAAGCCACCTGCAACCTCTGTCAAGTCTGTCTGAATCTTTACCAGTTCATGCACAGATGGC
AGTGTGCCAGAAGCCAGTCAGCATTAGACTCTACATCTGTGGACAAAGCAGTACCTGAAACAGAAGAT
GTGCAGGCTTCAGTATCAGACACAGCACAGCAGCCATCTGAAGAGCAAAGCAAGTCTCTGAAAAACCG
AAACAAAAAAGAATCGCTGTTTCATGTGCAGGAAGAAAGTGGGACTTACTGGGTTTGAATGCCGGTGT
GGAAATGTTTACTGTGGTGTACACCGTTACTCAGATGTACACAATTGCTCTTACAATTACAAAGCCGAT
GCTGCTGAGAAAATCAGAAAAGAAAATCCAGTAGTTGTTGGTGAAGAAAGATCCAAAAGATT
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```

**Protein Sequence:** >Peptide sequence encoded by RG236337  
Blue=ORF Red=Cloning site Green=Tag(s)

```
MAQETNHSQVPMLCSTGCGFYGNPRTNGMCSVCYKEHLQRQNSSNGRISPPATSVSSLSESLPVQCTDG
SVPEAQSALDSTSVDKAVPETEDVQASVSDTAQQPSEEQSKSLEKPKQKKNRCFMCRKVKVLTGFECRC
GNVYCGVHRYSDVHNCVSYNYKADAAEKIRKENPVVVGEEKIQKI
TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDVSHMHFSAIHPSILQNGGPMFA
FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV
```

**Restriction Sites:** SgfI-MluI



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**Cloning Scheme:**


**ACCN:** NM\_001242919

**ORF Size:** 543 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).

**RefSeq:** [NM\\_001242919.1](#), [NP\\_001229848.1](#)

**RefSeq Size:** 1504 bp

**RefSeq ORF:** 546 bp

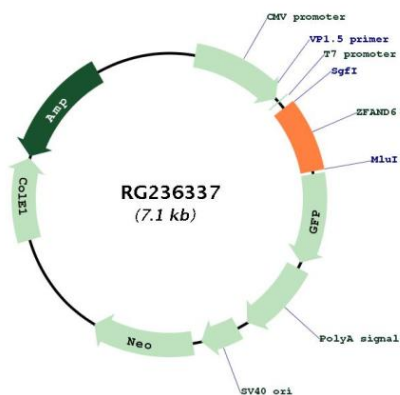
**Locus ID:** 54469

**Cytogenetics:** 15q25.1

**MW:** 20.3 kDa

**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]

## Product images:



Circular map for RG236337