

## Product datasheet for **RG237903**

### ZNF2 (NM\_001282398) Human Tagged ORF Clone

#### Product data:

|                           |  |
|---------------------------|--|
| Product Type:             | Expression Plasmids  |
| Product Name:             | ZNF2 (NM_001282398) Human Tagged ORF Clone                                     |
| Tag:                      | TurboGFP   |
| Symbol:                   | ZNF2   |
| Synonyms:                 | A1-5; Zfp661; ZNF661   |
| Mammalian Cell Selection: | Neomycin   |
| Vector:                   | pCMV6-AC-GFP (PS100010)  |
| E. coli Selection:        | Ampicillin (100 ug/mL)   |
| ORF Nucleotide Sequence:  | >RG237903 representing NM_001282398.<br>Blue=ORF Red=Cloning site Green=Tag(s) |

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTGCTGACTG
GATCCGGTACCGAGGAGATCTGCCGCC GCGATCGCC
ATGGCTGCTGTGCTCCGACCACAGATGCCAGGAATCAGTGACATTCGAAGACGTTGCCGTGGTTTTTC
ACAGATGAAGAGTGGAGTCGTCTGGTCCCCATACAGAGGGACCTCTACAAGGAGGTGATGCTGGAGAAC
TATAACAGCATTGTGTCATTGGACTGGGAACTAAGCCTGAGATTCACGATGCTTCAGACAAAAATCA
GAAGGATCATTGAGGGAATGCCTTGAAGGCAAAGTCCTGTGTCTAAATTTGAAGTTCATACACCC
AATGGCAGGATGGGAACAGAAAAGCAAAGCCCTTCAGGGGAGACTCGTAAGAAATCCCTCTCCCGGGAC
AAAGGCTTGCGGGACGGTCAGCCCTGTCCAGGAAATTCCTCACTAAAGAGAGACACCAGGAATGCAGT
GACTGTGGGAAGACCTTTTTTGACCACTCATCCCTCACCCGCCATCAGAGGACTCACACTGGGAGAAG
CCCTACGACTGCCGCGAGTGTGGAAAGCCTTCAGCCACAGGAGCAGCCTCAGCAGACATCTGATGTCA
CACACTGGGAGAGCCCTACGAGTGCAGTGTGTGCTCAAAGCCTTCTTTGACCGTTCTGTCCTAACT
GTCCATCAGCGAATTCACACTGGAGAGAAACCTTTTCAGTGCAACGAGTGTGGAAAGCCTTTTTTGAC
CGTTCATCCCTTACTCGACACCAGAGAATTCACACTGGAGAAAGTCCTTATGAATGTCATCAGTGTGGG
AAAGCCTTAGCCAGAAAAGTATTCTTACTCGCCATCAGCTAATCCACTGGCAGGAAGCCTTATGAG
TGTAACGAGTGGGAAAGCTTTCTATGGTGTCTCGTCTCTGAATAGACATCAGAAAGCTCATGCTGGG
GACCCTCGCTATCAGTGTACGAGTGTGGCAAAGCTTTCTTTGACCGCTCATCCCTTACACAGCATCAG
AAGATCCACACTGGAGACAAGCCATATGAATGCAGCGAATGCGGGAAAGCCTTTAGCCAGCGGTGCCGG
CTCACGGGCATCAGCGTGTCCACACGGGAGAGAAGCCCTTTGAATGCACTGTGTGTGGAAAGTTTTTC
AGTTCAAATCTTCTGTTATTCAACATCAACGGCGTTACGCCAAACAGGGAATAGAC
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



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**Protein Sequence:** >Peptide sequence encoded by RG237903  
 Blue=ORF Red=Cloning site Green=Tag(s)

MAAVSPTRCQESVTFEDVAVVFTDEEWSRLVPIQRDL YKEVMLENYNSIVSLDWETKPEIHDASDKKS  
 EGSLRECLGRQSPLCPKFEVHTPNGRMGTEKQSPSGETRKKSLSRDKGLRRRSAL SREILTKERHQECS  
 DCGKTFDFHSSLTRHQRTHTGEKPYDCRECGKAFSHRSSLSRHLMSHTGESPYECSVCSKAFFDRSSLT  
 VHQRIHTGEKPFQNECGKAFFDRSSLTRHQRIHTGESPYECHQCGKAFSQKSILTRHQLIHTGRKPYE  
 CNECGKAFYGVSSLRHQKAHAGDPRYQNECGKAFFDRSSLTQHQKIHTGDKPYECSECGKAFSQRCR  
 LTRHQRVHTGEKPFECTVCGKVFSSKSSVIQHQRRYAKQGID  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001282398

**ORF Size:** 1161 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).

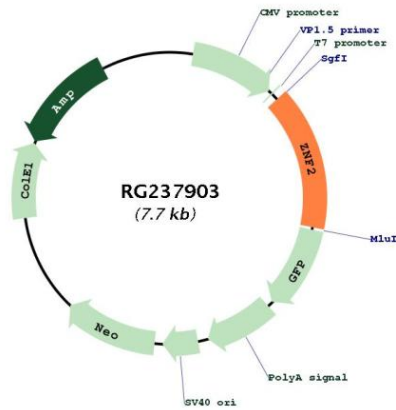
**RefSeq:** [NM\\_001282398.2](#)

**RefSeq Size:** 3866 bp

**RefSeq ORF:** 1164 bp  
**Locus ID:** 7549  
**UniProt ID:** [Q9BSG1](#)  
**Cytogenetics:** 2q11.1  
**Protein Families:** Transcription Factors  
**MW:** 44.8 kDa  
**Gene Summary:**

The protein encoded by this gene belongs to the C2H2-type zinc-finger protein family. The exact function of this gene is not known, however, zinc-finger proteins are known to interact with DNA and function as transcription regulators. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Apr 2014]

**Product images:**



Circular map for RG237903