

## Product datasheet for **RG217949**

### ZNF549 (NM\_153263) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF549 (NM_153263) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	ZNF549
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG217949 representing NM\_153263  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGCCGAGGCAGCGCTAGTGAATACGCCGAGGGCCATGTGACCTTTGAGGATATTGCTGTGACTTCT  
 CCCAGGAGGAGTGGGCCCTCCTTGATGAAGCTCAAAGGTGCTGTATCATGATGTGATGCTGGAGAACTT  
 TTCGCTTATGGCCTCAGTAGGTTGTTGCATGGAATAGAGGCTGAGGAGGCCCTTCTGAGCAGACTCTT  
 CCTGCGCAAGGAGTGTACAGGCCAGGACTCCAAAGCTAGGTCCTTCCATCCCAAATGCTCATTCTGTG  
 AGATGTGTATCCTGGTCAAGAAACATTTTGTACCTCAGTGAGCATCAGGGGACACTTCCCTGGCAGAA  
 ACCTTATACGCTGTGGCAGTGGGAAATGTTTTTCAATTTGGTTCAACCTGCAACAGCACCAGAACCAG  
 GACAGTGGAGAGAAACACATCAGAAAGGAGGAGCAGTGCCTTGCTTCTGAATAGCTGCAAAATTCCTC  
 TGTGAGACAATCTTTCCATGCAAAGATGTTGAGAAGGATTTTCAACCATCTGGGCCTTCTCCAACA  
 CCAGACCACCCACAGCAGACAAGAGTATGCACATAGAAGCAGGGAGACCTTTCAACAAAGACGTTACAAA  
 TGTGAGCAAGTTTTCAATGAGAAAGTTCATGTTACTGAGCATCAGAGAGTCCACACTGGAGAAAAAGCTT  
 ATAAGCGTAGGGAATATGGGAAATCCTTGAACCTAAATACTTATTTGTTGAACACCAGAGAACCATAA  
 TGCAGAAAAGCCTTATGTGTGCAATATATGTGGGAAATCATTCTCCATAAAACAACACTCGTTGGGCAC  
 CAGCAGAGAATTCACACTAGAGAAAGGTCTTATGTGTGCATCGAATGTGGGAAATCCTTGAGCTCCAAAT  
 ACTCACTTGTGGAAACACCAGAGAACCATAATGGAGAAAAGCCTTATGTGTGCAATGTATGTGGAAATC  
 ATCCGCCACAACAAACATTTGTTGGCCATCAGCAGAGAATCCACACTGGAGAGAGGCCTTATGTGTGT  
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 GGGCTTATCAGTGCAGTGAATGTGGGAAATCCTTCATATACAAACAGTCACTTCTTGATCACCATAGAAT  
 CCACACGGGAGAAAGGCCTTATGAGTGCAAAGAATGTGGGAAAGGCCTTCATTACAAAAAAGACTTCTT  
 GAGCACAGAGAATTCATACTGGAGAAAAGCCTTATGTGTGCATCATATGTGGGAAATCATTATCCGCT  
 CGTCTGACTACATGCGACACCAGAGAATTCACACTGGAGAAAAGGCTTATGAATGCAGTACTGTGGGAA  
 AGCCTTCACTCCAAACAACACTTCTTAAAGCATCACAACAAATCCACACTAGAGAAAGGCCTTATGAATGC  
 AGTGAATGTGGAAAAGGCTTCTACCTTGAGGTTAACTTCTTTCAGCACCAAGAATCCATACTAGAGAAC  
 AACTTTGTGAGTGAATGAATGTGGAAAAGTCTTCAGCCACCAAAAAGACTTCTTGGAGCACCAGAAAGT  
 TCACACTGGCGAAAAGCCTGTGAGTGCAGTGAATGTGGGAAATGCTTTAGACACCGCACCAGCCTCATT  
 CAACACCAGAAAAGTTCACAGTGGAGAGAGGCCTTATAACTGCACTGCATGTGAGAAGGCCTTATCTATA  
 AAAACAACTTGTGAGCATCAGCGAATCCACACCGGAGAAAAGCCTATGAATGTGGTAAATGTGGGAA  
 AGCCTTCAACAAAAGATATCCCTTGTGAGCACCAGAAAGGTACATATAACAGAAGAGGCC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG217949 representing NM\_153263  
 Red=Cloning site Green=Tags(s)

MAEAAVNTPQGHVTFEDIAVYFSQEEWGLLDEAQRCLYHDVMLENFSLMASVGLHGIEAEEAPSEQTL  
 PAQGVSQARTPKLGPSIPNAHSCEMILVMKDILYLSEHQGTLPWQKPYTSVASGKWFSGSNLQQHQNQ  
 DSGEKHIRKEESSALLLNCKIPLSDNLFPCKDVEKDFPTILGLLQHQTTHSRQYEAHRSRETFQRRYK  
 CEQVFNEKVHVTEHQRVHTGEKAYKRREYKSLNSKYLFVEHQRTHNAEKPYVCNICGKSFVHKLQTLVGH  
 QQRIRHTRERSYVCIIEGKSLSSKYSLVEHQRTHNGEKPYVCNVCCKGKFRHKQTFVGHQQRIRHTGERPYVC  
 MECGKSFVHSDYRIRHQRVHTGEGAYQCSECGKSFVYKQSLLDHHRHTGERPYECKEKGKAFIHKRLL  
 EHQRHTGERKPYVCIIEGKSFVIRSSDYMRHQRIHTGERAYECSDCGKAFISKQTLKHHKIHTREPYEC  
 SECGKGFYLEVKLLQHQRHTREQLCECNECGKVFVSHQKRLLEHQKVHTGEKPCECSECGKCFRHTSLI  
 QHQKVHSGERPYNCTACEKAFIYKNKLVHQRIHTGEKPYECGKGFVFNKRYSLVRHQKVHITTEP

TRTRPLE - GFP Tag - V

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_153263

**ORF Size:** 1881 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\\_153263.1](#), [NP\\_694995.1](#)

**RefSeq Size:** 3969 bp

**RefSeq ORF:** 1884 bp

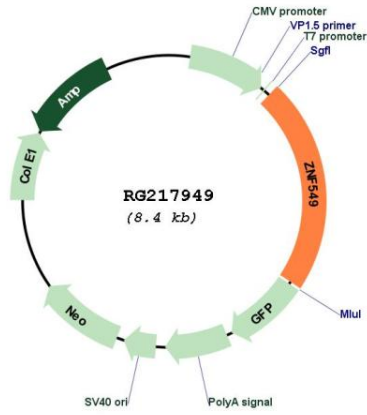
**Locus ID:** 256051

**UniProt ID:** [Q6P9A3](#)

**Cytogenetics:** 19q13.43

Domains: KRAB, zf-C2H2  
 Protein Families: Transcription Factors  
 Gene Summary: May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG217949