

## Product datasheet for **RC234631**

### ZNF549 (NM\_001199295) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZNF549 (NM_001199295) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ZNF549
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC234631 representing NM\_001199295  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGCCGAGGCAGCGCTAGTGAATACGCCGAGATTCCCATGGTAAACAGAAGAGTTTGTGAAACCATCAC  
 AGGGCCATGTGACCTTTGAGGATATTGCTGTGACTTCTCCAGGAGGAGTGGGGCCTCCTTGATGAAGC  
 TCAAAGGTGCCTGTATCATGATGTGATGCTGGAGAACTTTTCGCTTATGGCCTCAGTAGGTTGTTTGCAT  
 GGAATAGAGGCTGAGGAGGCCCTTCTGAGCAGACTCTTCTGCGCAAGGAGTGTACAGGCCAGGACTC  
 CAAAGCTAGGTCCTTCCATCCCAAATGCTCATTCTTGTGAGATGTGTATCCTGGTCATGAAAGACATTTT  
 GTACCTCAGTGAGCATCAGGGGACACTTCCCTGGCAGAAACCTTATACGTCTGTGGCCAGTGGGAAATGG  
 TTTTCATTTGGTCTAACCTGCAACAGCACCAGAACCAGGACAGTGGAGAGAAACACATCAGAAAGGAGG  
 AGAGCAGTGCCTTGCTTCTGAATAGCTGCAAAAATTCCTCTGTGAGACAATCTTTCCCATGCAAAGATGT  
 TGAGAAGGATTTCCAACCATCTGGGCCTTCTCCAACACCAGACCACCCACAGCAGACAAGAGTATGCA  
 CATAGAAGCAGGGAGACCTTTCAACAAAGACGTTACAAAATGTGAGCAAGTTTTCAATGAGAAAGTTCATG  
 TTAAGTGCATCAGAGAGTCCACACTGGAGAAAAAGCTTATAAGCGTAGGGAATATGGGAAATCCTTGAA  
 CTCTAAATACTTATTTGTTGAACACCAGAGAACCATAATGCAGAAAAGCCTTATGTGTGCAATATATGT  
 GGGAAATCATTCTCCATAAACAAAACACTCGTTGGGCACCAGCAGAGAATTCACACTAGAGAAAGGTCTT  
 ATGTGTGCATCGAATGTGGGAAATCCTTGAGCTCCAAATACTCACTTGTGGAACACCAGAGAACCATAA  
 TGGAGAAAAGCCTTATGTGTGCAATGTATGTGGGAAATCATTCCGCCACAAACAAACATTTGTTGGCCAT  
 CAGCAGAGAATCCACACTGGAGAGAGGCCTTATGTGTGTATGGAATGTGGGAAATCTTTTATTCTTCT  
 ATGACCGCATTGACACCAGAGAGTTCACACTGGAGAAGGGCTTATCAGTGCAGTGAATGTGGGAAATC  
 CTTTCATATACAAACAGTCACTTCTTGATCACCATAGAATCCACACGGGAGAAAGGCCTTATGAGTGCAAA  
 GAATGTGGGAAAGCCTTATTCAAAAAAAGACTTCTTGAGCACCAGAGAATTCATACTGGAGAAAAGC  
 CTTATGTGTGCATCATATGTGGGAAATCATTTATCCGCTCGTCTGACTACATGCGACACCAGAGAATTC  
 CACTGGAGAAAGGGCTTATGAATGCAGTGAATGTGGGAAAGCCTTATCTCCAAACAAACACTTCTTAAG  
 CATCACAAAATCCACACTAGAGAAAGGCCTTATGAATGCAGTGAATGTGGGAAAGCCTTCTACCTTGAGG  
 TTAACCTTCTTCCAGCACCAAAAGAATCCATACTAGAGAACAACCTTGTGAGTGAATGAATGTGGGAAAGT  
 CTTCAGCCACAAAAAGACTTCTTGAGCACCAGAAAGTTCACACTGGCGAAAAGCCTGTGAGTGCAGT  
 GAATGTGGGAAATGCTTTAGACACCGCACCAGCCTCATTCAACACCAGAAAGTTCACAGTGGAGAGAGGC  
 CTTATAACTGCACTGCATGTGAGAAGGCCTTATCTATAAAAAACAACTTGTGAGCATCAGCGAATCCA  
 CACCGGAGAAAAGCCGTATGAATGTGGTAAATGTGGGAAAGCCTTCAACAAAAGATATCCCTTGTGAGG  
 CACCAGAAGGTACATATAACAGAAGAGCCC

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RC234631 representing NM\_001199295  
Red=Cloning site Green=Tags(s)

MAEAA LVNTPQIPMVTEEFVKPSQGHVTFEDIAVYFSQEEWGLLDEAQRCLYHDVMLENFSLMASVGLH  
 GIEAEEAPSEQTL SAQGV SQARTPKLGPSIPNAHSCEMCILVMKDILYLSEHQGLPWQKPYTSVASGKW  
 FSFGSNLQQHQNDSGEKHIRKEESSALLLNCKIPLSDNLFPCKDVEKDFPTILGLLQHQTTHSRQEYA  
 HRSRETFQRRYKCEQVFNEKVHVTEHQRVHTGEKAYKRREYKSLNSKYL FVEHQRTHNAEKPYVCNIC  
 GKSLFKQTLVGHQQRIRHTRERSYVCI ECGKSLSSKYSLEHQRTHNGEKPYPVCNVCGKSFRRHKQTFVGH  
 QQRIRHTGERPYPVCMCEGKSF IHSYDRIRHQRVHTGEGAYQCSECGKSF IYKQSLLDHRIHTGERPYECK  
 ECGKAFIHKRLLHQRIHTGEKPYVCI ICGKSFIRSSDYMRHQRHTGERAYECSDCGKAFISKQTL LK  
 HHKIHTRERPYECSECGKGFYLEVLLQHQRIHTREQLCECNECGKVF SHQKRLLEHQVHTGEKPECS  
 ECGKCFRHRTSLIQHQVHSGERPYNCTACEKAFIYKNKLVHQRIHTGEKPYECGKCGKAFNKRYSLVR  
 HQKVHITTEP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001199295

**ORF Size:** 1920 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\\_001199295.1](#), [NP\\_001186224.1](#)

**RefSeq Size:** 4136 bp

**RefSeq ORF:** 1923 bp

**Locus ID:** 256051

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

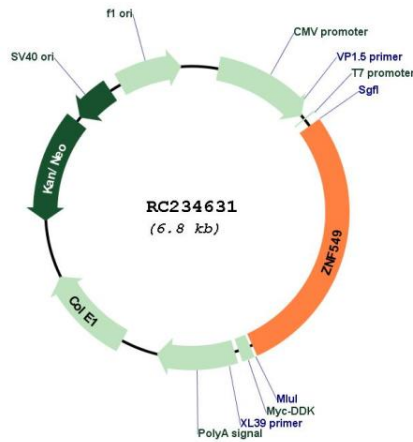
**Cytogenetics:** 19q13.43

**Protein Families:** Transcription Factors

**MW:** 74.9 kDa

**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RC234631