

## Product datasheet for **RC224254**

### **ZNF44 (NM\_016264) Human Tagged ORF Clone**

#### **Product data:**

|                           |                                          |
|---------------------------|------------------------------------------|
| Product Type:             | Expression Plasmids                      |
| Product Name:             | ZNF44 (NM_016264) Human Tagged ORF Clone |
| Tag:                      | Myc-DDK                                  |
| Symbol:                   | ZNF44                                    |
| Synonyms:                 | GIOT-2; KOX7; ZNF; ZNF55; ZNF58; ZNF504  |
| Mammalian Cell Selection: | Neomycin                                 |
| Vector:                   | pCMV6-Entry (PS100001)                   |
| E. coli Selection:        | Kanamycin (25 ug/mL)                     |



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**ORF Nucleotide Sequence:**

>RC224254 representing NM\_016264  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGC**

ATGGACTCAGTGGCCTTTGAGGATGTGGCTGTGAACCTCACCCATGAGGAGTGGCCTTTGCTGGGTCCAT  
 CACAGAAGAATCTCTACAGAGATGTGATGCGAGAAACCATTAGGAACCTGAACTGTATAGGAATGAAATG  
 GGAAAACCAGAACATTGATGATCAGCACCAAAATCTCAGGAGAAATCCAAGGTGTGATGTGGTAGAGAGA  
 TTTGGTAAAGTAAAGATGGTAGTCAGTGTGGAGAAACCTTAAGCCAGATTGAAATAGTATTGTAACA  
 AGAACACTCCCGCCAGAGTAGATGCATGTGGAAGCAGTGTGAATGGAGAAGTCATAATGGGTCAATCATC  
 CCTGAATTGCTACATCAGAGTTGATACTGGACACAAACACCGGGAGTGTCAATGAATGCAGAGAAGTCA  
 TATACACATAAGCAGTGTGGGAAAGGCTTAAGTTATCGCCACTCCTTTCAAACATGTGAAAGGCCTCACA  
 CTGGAAAGAAACCCTATGATTGTAAGGAATGTGGAAAAACCTTCAGTTCTCTGGAAACCTTCGAAGACA  
 TATGGTAGTAAAGGTGGAGATGGACCTTATAAATGTGAATTGTGTGGGAAAGCCTTTTTTTGGCCAGT  
 TTATTACGTATGCATGAAAGAACTCACACTGGAGAGAAACCATATGAATGTAAGCAGTGTCTAAAGCCT  
 TCCCTGTTTACAGTTCCTATCTAAGACATGAAAAAATACACACTGGGGAGAAACCGTATGAATGTAAGCA  
 GTGTTCTAAAGCCTTCCCTGATTACAGTTCATATCTAAGACATGAAAGAACTCACACTGGAGAGAAACCC  
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 CTGGAGAGAAACCTATACATGTAAACAGTGTGGGAAAGCCTTTTGTATCTTGGAAAGCTTTCAAAGACA  
 CATGATAATGCACAGTGGAGATGGACCTCATAAATGTAAGATATGTGGGAAAGCCTTTGATTTTCTGGT  
 TCAGCACGAATTCATGAAGGAATCACACTCTAGAGAAACCTATGAATGTAAGCAATGTGGGAAATGT  
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 CTGGAGAGCAACCCTATAAATGTAAATGTGAAAAAGCTTTTGTGATTTATTTTCTTTCAAAGTCATGA  
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 TTTTGTGCGCATGAAAGGACTCACAGTGAAGAAAAATCTTATGAGTGTCAAATTTGTGGCAAAGCCTTCA  
 GTCGTTTCAGTTACTTAAAACTCATGAAAGGACTCACACGGCAGAGAAGCCATATGAATGTAAGCAATG  
 CAGGAAAGCATTCTTTGGCCCTCTTCTCTTAAGACATGAAAGGACTCACACTGGAGAAAGACCTAT  
 GAATGTAACACTGTGGTAAAGCCTTCAGTCGTTCCAGTTTCTGTGAGAACATGAAAGAACTCACACTG  
 GAGAGAGCCCTATGAATGTAAGGAATGTGGGAAAGCCTTCAGTTCTCTCAGTTCCTTTAATAGACATAA  
 AAGGACACACTGGAAGGATATTCTA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

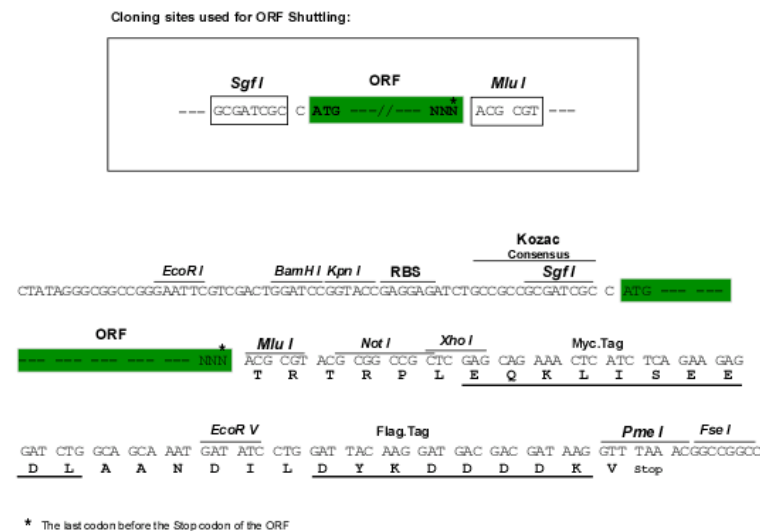
>RC224254 representing NM\_016264  
 Red=Cloning site Green=Tags(s)

MDSVAFEDVAVNFTHEEWALLGPSQKNLYRDMRETIRNLNCIGMKWENQNIDDQHQNLRNPRCDVVER  
 FGKSKDGSQCGETLSQIRNSIVNKNTPARVDACGSSVNGEVIMGHSSLNICYIRVDTGHKHRECHYEAKS  
 YTHKQCGKGLSYRHSFQTCERPHGTGKKPYDCKEKGTFSSPGLRRHVMVKGDDGPYKCELCGKAFFWPS  
 LLRMHERHTHTEKPYECKQCSKAFVYSSYLREKIHTEKPYECKQCSKAFPDYSSYLHERHTHTEKPY  
 YKCKQCGKAFSVSGSLRVHERIHTGEKPYTCKQCGKAFCHLGSFQRHMIMHSGDGPBKICKGKDFDGP  
 SARIHEGHTHLEKPYECKQCGKLLSHRSSFRHMAHTGDGPHKCTVCGKAFDPSVQFQRHERHTHTEKPY  
 YECKQCGKAFRTSSSLRKHETHTHTEQPYKCKCGKAFSDLFSFQSHETTHSEEPYECKECKGAFSSFKY  
 FCRHERTHSEKSYECQICGKAFSRFSYLKTHERTHTAEKPYECKQCRKAFFWPSFLLRHERHTHGERPY  
 ECKHCGKAFSRSSFCEHERHTHTEKPYECKECKGAFSSLSFNHRKTHWKDIL

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: Sgfl-MluI

### Cloning Scheme:



ACCN: NM 016264

ORF Size: 1845 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.

**Note:** Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

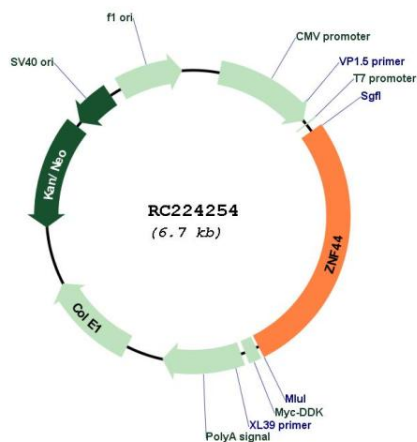
RefSeq: NM 016264.4

RefSeq Size: 2674 bp

RefSeq ORF: 1848 bp

**Locus ID:** 51710  
**Cytogenetics:** 19p13.2  
**Domains:** KRAB, zf-C2H2  
**Protein Families:** Transcription Factors  
**MW:** 71.2 kDa  
**Gene Summary:** May be involved in transcriptional regulation.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for RC224254