

## Product datasheet for **RR204755**

### Rnf4 (NM\_019182) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Rnf4 (NM\_019182) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Rnf4  
**Synonyms:** MGC72476  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR204755 representing NM\_019182  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGAGTACAAGAAATCCTCAAAGAAAGCGCGTGGTGGAGCTGTGAATTCTAGACAAACCCAGAAGCGAA  
 CTCGGGAAACAACCTCAACCCCTGAGATTTCTTGAAGCAGAACCCATAGAACTGTGGAAACCGTTGG  
 AGATGAAATCGTGGACCTCACCTGTGAATCTTTAGAGCCTGTGGTTGTGGACCTGACTCACAAATGACTCT  
 GTTGTGATTGTTGAAGAAAGGAGAAGGCCAAGGAGAAAATGGGAGGAGTTGCGCCAAGACCATGCTGACA  
 GCTGTGTGGTGAAGCAGTATGATGAAGAACTGTCTAAGGACAAAGATGTATACGTGACTACCCATACTCC  
 TCGAAGCACAAGGATGAAGAACTACTGGACTTAGGCCCTCGGGCACCGTCAGTTGTCCGATCTGCATG  
 GATGGATACTCTGAGATTGTGCAGAATGGCGTCTCATTGTTTCTACAGAATGTGGCCACGTCTTCTGTA  
 GCCAGTGCCCTCCGTGATTCCTTAAGAATGCTAACACTTGCCCAACTTGTAGGAAAAAGATCAACCATAA  
 ACGGTACCATCCCATTATATA

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR204755 representing NM\_019182  
 Red=Cloning site Green=Tags(s)

MSTRNPQRKRGGAVNSRQTQKRTRETTSTPEISLEAEPIELVETVGDEIVDLTCESELPVVVDLTHNDS  
 VVIVEERRRPRRNGRRLRQDHADSCVSSDDEELSKDKDVVYVTHTPRSTKDEGTTGLRPSGTVSCPICM  
 DGYSEIVQNGRLIVSTECGHVFCQCLRDLSLKNANTCPTCRKKINHKRYHPIYI

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

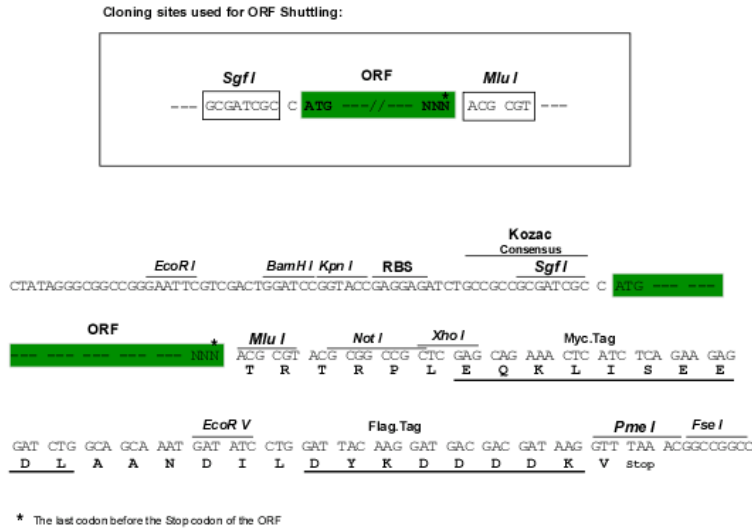


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**Chromatograms:** [https://cdn.origene.com/chromatograms/ja1865\\_g08.zip](https://cdn.origene.com/chromatograms/ja1865_g08.zip)

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_019182

**ORF Size:** 582 bp

**OTI Disclaimer:** Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in *E. coli* are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at [custsupport@origene.com](mailto:custsupport@origene.com) or by calling 301.340.3188 option 3 for pricing and delivery.

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\\_019182.2](#), [NP\\_062055.1](#)

**RefSeq Size:** 1040 bp

**RefSeq ORF:** 585 bp

**Locus ID:** 29274

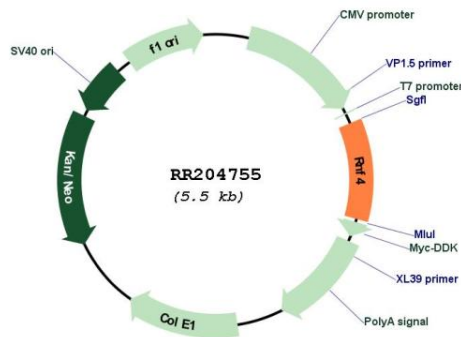
**UniProt ID:** [O88846](#)

**Cytogenetics:** 14q21

**MW:** 22.3 kDa

**Gene Summary:** may act as a coregulator for nuclear receptor mediated transcriptional activation [RGD, Feb 2006]

### Product images:



Circular map for RR204755