

## Product datasheet for **RR214668**

### Znrf2 (NM\_001108628) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Znrf2 (NM\_001108628) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Znrf2  
**Synonyms:** Znrf1  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**ORF Nucleotide Sequence:** >RR214668 representing NM\_001108628  
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGGCGCAAGCAGAGCGGCCCGCCGCAACGGCCGACCCGCGCCTACTCGGGCTCGGACCTGCCCT  
CCGGGACCAGCGCGCGCGGGCGGACGGCGCTCGGGCGGCTCGGTTTCGCGGCCCTGTCCCCGGCGC  
GCAGCAGCCAGCGCCTCGGCCAGCAGCGGGAGGATGCTGCTGCTGCGGCGCGGCACGGCACAGCGGC  
GGCCTCGGCCCGCAGCGCCCGTAGCCGCTCGCTCGGTGGGGCGGTGGCAGCGCGCGAGCGGCCGCG  
CGGCACAGTCGGCCTTCAGCATTCCAGCAGTGGCGGCGCAGCGGTGGCCCGTACGGCTCACAGGACTC  
GGTGCACAGCAGCCAGAGGACGGTGTCCGCTCTAGGGACCGGGACCGGCCAGCGGGCGGGGCCCTGGC  
GGCCCGCTGTGGTATCGGCTCGCTCCCGGCCACCTCTCCCGCACTTGTTGGAGGATTTAAGTGCC  
CGGTATGCTCAAATTTGTACCCTCAGATGAAATGGATTTGCATCTTGATGTGTTAAACAAAGCCAAG  
AATAACGTATAATGAGGATGTGCTGAGTAAAGATGCGGGGAATGTGCAATATGCCTGAAGAATTGCAG  
CAGGGAGACCATAGCACGACTGCCTTGCTGTATATATCATAAAGGCTGCATAGATGAATGGTTTG  
AAGTAAATAGATCTTGCCAGAGCACCTTCGGAT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR214668 representing NM\_001108628  
Red=Cloning site Green=Tags(s)

MGAKQSGPAANGRTRAYSGSDLPSGTSGGGGADGARAARFAAPVPGAQQPSASASTAEDAAAAAARHSG  
 GLGPGSARSRSLGGAVGSAASGRAAQSAFSSIPSSGGGSGGPGYGSQDSVHSSPEDGVGSRDRDRPAGGGPG  
 GPRLVIGSLPAHLSPHLFGGFKCPVCSKFVPSDEMDLHVMCLTKPRITYNEDVLSKDAGECAICLEELQ  
 QGDTIARLPCLCIYHKGCIDWFEVNRSCPEHPSD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001108628

**ORF Size:** 735 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\\_001108628.1](#), [NP\\_001102098.1](#)

**RefSeq Size:** 5774 bp

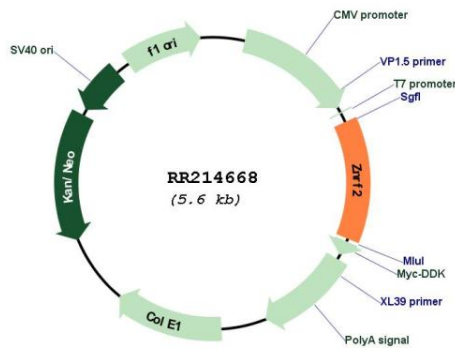
**RefSeq ORF:** 738 bp

**Locus ID:** 362367

**Cytogenetics:** 4q24

**MW:** 24.5 kDa

**Product images:**



Circular map for RR214668