

## Product datasheet for **RR208199**

### Zic2 (NM\_001108392) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zic2 (NM_001108392) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zic2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**ORF Nucleotide Sequence:**

>RR208199 representing NM\_001108392  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTTCTGGACGCGGGGCCAGTTCCTGGCCATCGGGGTGGGAGCTTCGCGGCCACCACCACCACT  
 CGGCCCGGCAGCGCGGCTGCGCGGCCGAGATGCAGGACCGGAGCTGAGCCTGGCGCGGCACAGAA  
 CGGCTTCGTGGACTCGGGCCGAGCGCACATGGGCGCTTCAAGCTCAACCCCGGGGCACACGAAGTGTCT  
 CCTGGTCAGAGTTCGGGCTTACGTCGCAAGTCCGGGCGCTACCCGGGTTGGCTGCAGCGGCCGCTG  
 CAGCCCGGCTCTAGGGCCCACCGCTCACGTTGGCTTTATTCGGGGCTCCCTTAAATCCACCCG  
 GGACTTCTGTTCCGTAGCCGGGCTTCGGGACTCGGCGCCGGAGGCGCCAGCACGGGCTTTCGGA  
 CCCGGCGCGGCCCTCCACCATGCGCACTCGGACGCGCAGGGCCACCTTCTCTCCCTGGCTCCCGG  
 AACAGCACGGGCGCAGCCTCGCAGAAGTGCTCAATGGCAAATGCGCTAGGGCTGCCGGCGAAGT  
 GTTCGGGCGCTCAGAGCAATACCGCAAGTGGCCAGCCCGCGGACCGACCTTACTCGGGCGCAGCTC  
 CACAACAGTACGGCCCTATGAATATGAACATGGGGATGAACATGCGAGCGGCCGAGCCACCACCACC  
 ACCACCATCACCACCCTGGTGCCTTTTTCCGCTACATGCGGCAGCAGTGCATCAAGCAAGAGCTCATCTG  
 CAAGTGGATCGACCCGGAGCAGTAAGCAATCCCAAGAAAAGCTGCAACAAAACCTTTAGCACCATGCAC  
 GAGCTGGTGAACACGCTCTGTAGAGCATGTCGGCGGCCGGAACAGAGCAACACGCTGCTTCTGGG  
 AGGAGTGTCCACGCGAGGGCAAACCTTTAAGGCCAAATACAACTGGTCAACCATCCGCGTGCACAC  
 GGGCGAGAAACCTTCCCTTGTCTTTCCGGGTTGTGGCAAGTCTTCGCACGCTCCGAGAACCTCAAG  
 ATCCACAAAAGAACTCACACAGGGGAGAAACCTTTCCAGTGTAGTTCGAGGGCTGTGACCGACGCTTCC  
 CCAACAGCAGCAGCAGGAAGAAGCAGCATGCACGTCACACCTCCACACCTCAGATAAGCCCTATCTGCAAGATGTG  
 CGACAAGTCTTACACGCATCCAGCTCCTTGGGAAGCAGCATGAAGGTCCATGAGTCCTCCCTCAGGGC  
 TCCGAGTCTCCCGGCTGCCAGCTCTGGTACGAGTCGTCACACCCCGAGGTTGGTGTCCCCAGCG  
 CAGAGCCACAAAGCAGCTCCAACCTGTCCCAGCAGCGGAGCGGCGGGCAGCGGCTGCAGCAGCGGC  
 GGCCGCGGTGTCGAGTGCACCGAGGCGGGTTCTGGCAGTAGCGGCTCCGGAGGGGGCTCGGCGGCC  
 GGCAGCGGTGGGGCGGGCGGGGGCGGGGGCGGGGGCGGGCGGCGGAGCTCTGGCGGGGCGAGCGGACAG  
 CCGGAGGCCATAGCGGCTCTCTCCAACCTCAATGAATGGTACGTG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RR208199 representing NM\_001108392  
 Red=Cloning site Green=Tags(s)

MLLDAGPQFPAIGVGSFARHHHSAAAAAAAAEMQDRELSLAAAQNGFVDSAAAHMGAFLNPGAHEL  
 PGQSSAFSTQPGAYPGSAAAAAAAAALGPHAAHVGSYSGPPFNSTRDFLFRSRGFSDSAPGGGQHGLFG  
 PGAGGLHHAHSDAQGHLLFPGLPEQHGHASQNLNGQMRLGLPGEVFRSEYRQVASPRDPYSAAQL  
 HNQYGPMMNMGMNMAAAAHHHHHHPGAFFRYMRQQCIKQELICKWIDPEQLSNPKKSCNKTFSTMH  
 ELVTHVSVHVGPEQSNHVCFWEECPREGKPFKAKYKLVNHIRVHTGEKPFPCFPFGCGKVFARSENK  
 IHKRHTHTEKPFQCFEGCDRRFANSSDRKKMHVHTSDKPYLCKMCDKSYTHPSSLRKHMKVHESPQG  
 SESSPAASSGYESTPPGLVSPSAEPQSSNLSPAAAAAAAAAAAAAAAAAVSAVHRGAGSGSGSGGGGSA  
 GSGGGGGAGGGGGSSGGSGTAGHSGLSSNFNEWY

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

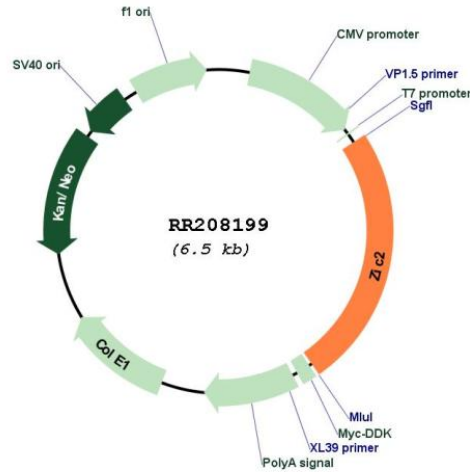
Cloning Scheme:

Cloning sites used for ORF Shuttling:



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

## Plasmid Map:



ACCN: NM\_001108392

ORF Size: 1587 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\\_001108392.2](#), [NP\\_001101862.2](#)

**RefSeq Size:** 2903 bp

**RefSeq ORF:** 1590 bp

**Locus ID:** 361096

**Cytogenetics:** 15q25

**MW:** 54.8 kDa