

## Product datasheet for **MR223858**

### Zic3 (NM\_009575) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Zic3 (NM_009575) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Zic3
Synonyms:	Bn; Ka
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>MR223858 representing NM\_009575  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGACGATGCTCCTGGACGGAGGCCCGCAGTTCCTGGTTGGGAGTGGGCAGCTTCGGTGTCCCGCC  
 ACCACGAGATGCCCAACCGCGAGCCTGCAGGCATGGGATTGAATCCCTTCGGGGACTCAACCCACGCTGC  
 GGCCGCCCGCTGCCGCCGCTGCCTTCAAGCTGAGCCAGCCACCGCTCACGATCTGTCTTCGGGCCAG  
 AGCTCAGCGTTCACACCGCAGGGTTCAGGTTATGCCAATGCCCTGGGCCACCATCACCACCACCATCACC  
 ACCATCACGCCAGCCAGGTGCCACCTACGGCGCGCTGCCTCCGCCGCTTCAACTCCACGCGCGACTT  
 TCTGTTCCGTAGCGCGGTTCTGGGCTCAGCGAGGCAGCCTCCGGGGCGGGCAGCACGGGCTTTTCGCT  
 GGCTCGGCGAGCAGTCTCAGCTCCAGCTGGTATTCTGAGCCTCTAGCTACTGTCTTTCTGGGC  
 TTCATGAGCAGGGCGCTGGCACCCGTCGCCACAGGGCAGTGGACAACAACAGGTCCATCTGGGGCT  
 GCGCGGGGAGCTATTTGGCCGTGACAGCCATACCGCCCGTGGTAGCCCGCGCACGGACCCTACGCG  
 GCCAGTGCAGTTCCTAACTATAGCCCATGAACATGAACATGGGCGTGAACGTGGCGGCCACCCAGG  
 GGCCGGGCGCCTTCTCCGTTACATGCGGCAGCCCATCAAGCAGGAGCTGTCTGTAAAGTGGATCGAGGA  
 GGCTCAGCTGAGCCGGCCCAAGAAGAGCTGCGACCCGACCTTCAGCACCATGCATGAGTTGGTTACGCAT  
 GTTACCATGGAGCATGTGGGGGGCCCGGAGCAGAAACACACGTCTGCTATTGGGAGGAATGTCCCGCG  
 AAGGCAAGTCTTCAAGGCGAAGTACAACTGGTCAACCATATCCGAGTGCACACTGGCGAGAAACCTT  
 CCCGTGTCCCTCCCGGGCTGCGGGAAGATTTTGCCCGCTCTGAGAACCCTAAGATCCACAAGAGGACC  
 CATAACAGTGAAGAACTTTCAAATGTGAATTCGAAGGCTGTGACAGACGGTTTGCCAACAGCAGCGACC  
 GCAAGAAGCACATGCATGTGCACACCTCGGACAAGCCCTATATCTGTAAGTGTGCGACAAGTCTACAC  
 ACACCCGAGTCCCTGCGCAACACATGAAGTTTCATGAATCTCAAGGGTCAAGTTCCTCCCTGCTGCC  
 AGTTCAGGCTATGAATCTTCACTCCACCCGCTATAGCTTCTGCAAAACAGTAAAGATACCACTAAAACCC  
 CTCTGCAGTTCAAACCTAGCACCAGCCACAACCTGGACTTCTCCCAATTTTAAACGAATGGTACGTC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>MR223858 representing NM\_009575  
 Red=Cloning site Green=Tags(s)

MTMLLDGGPQFPGLGVGSFGAPRHHEMPNREPAGMGLNPFGDSTHAAAAAAAAAFKLSPTAHDLSSGQ  
 SSAFTPQSGSYANALGHHHHHHHHASQVPTYGGAASAFNSTRDFLFRQRGSLSEAASGGGQHGLFA  
 GSASSLHAPAGIPEPPSYLLFPGLHEQGAGHPSPTGHVDNNQVHLGLRGELFGRADPYRPVSPRTDPYA  
 ASAQFPNYSMPNMNMGNVAAHHGPGAFFRYMRQPIKQELSCKWIEEAQLSRPKKSCDRTFSTMHELVT  
 VTMEHVGPEQNNHVCYWEECPREGKSFKAKYKLVNHIRVHTGEKPFPCFPFGCGKIFARSENLKIHKRT  
 HTGEKPFKCEFECDRRFANSSDRKXHMVHTSDKPYICKVCDKSYTHPSSLRKHMKVHESQSDSSPAA  
 SSGYESSTPPAIASANSKDTTKPSAVQTSTSHNPGLPPNFNEWYV

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/ja1153\\_e10.zip](https://cdn.origene.com/chromatograms/ja1153_e10.zip)

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_009575

**ORF Size:** 1398 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\\_009575.2](#), [NP\\_033601.2](#)

**RefSeq Size:** 4035 bp

**RefSeq ORF:** 1401 bp

**Locus ID:** 22773

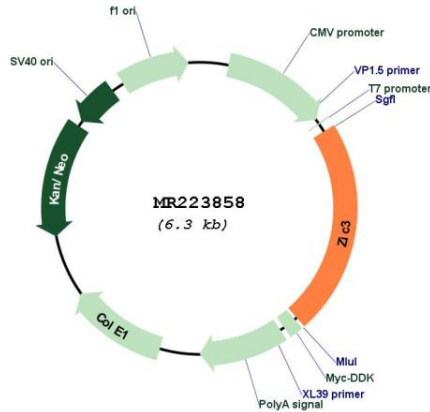
**UniProt ID:** [Q62521](#)

**Cytogenetics:** X 32.56 cM

**MW:** 50.9 kDa

**Gene Summary:** Acts as transcriptional activator. Required in the earliest stages in both axial midline development and left-right (LR) asymmetry specification. Binds to the minimal GLI-consensus sequence 5'-GGGTGGTC-3'. [UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MR223858