

Product datasheet for **MC216290**

Zic3 (NM_009575) Mouse Untagged Clone

Product data:

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



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Fully Sequenced ORF: >MC216290 representing NM_009575
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGACGATGCTCCTGGACGGAGGCCCGCAGTTCCTGGGTTGGGAGTGGGCAGCTTCGGTGTCCGCGCC
 ACCACGAGATGCCCAACCGCGAGCCTGCAGGCATGGGATTGAATCCCTTCGGGGACTCAACCCACGCTGC
 GGCCGCCCGCTGCCGCCGCTGCCTTCAAGCTGAGCCAGCCACCGCTCACGATCTGTCTTCGGGCCAG
 AGCTCAGCGTTCACACCGCAGGGTTCAGGTTATGCCAATGCCCTGGGCCACCATCACCACCACCATCACC
 ACCATCACGCCAGCCAGGTGCCACCTACGGCGCGCTGCCTCCGCCGCTTCAACTCCACGCGCGACTT
 TCTGTTCCGTGAGCGGGTTCGGGCTCAGCGAGGCAGCCTCCGGGGCGGGCAGCACGGGCTTTTCGCT
 GGCTCGGCGAGCAGTCTCAGCTCCAGCTGGTATTCTGAGCCTCTAGCTACTGTCTTTTCCTGGG
 TTCATGAGCAGGGCGCTGGCACCCGTCGCCACAGGGCACGTGGACAACAACAGGTCCATCTGGGGCT
 GCGCGGGGAGCTATTTGGCCGTGACAGCCATACCGCCCGTGGTAGCCCGCGCACGGACCCTACGCG
 GCCAGTGCAGTTCCTAACTATAGCCCATGAACATGAACATGGGCGTGAACGTGGCGGCCACCACG
 GGCCGGGCGCCTTCTCCGTTACATGCGGCAGCCCATCAAGCAGGAGCTGTCTGTAAAGTGGATCGAGGA
 GGCTCAGCTGAGCCGGCCCAAGAAGAGCTGCGACCGGACCTTCAGCACCATGCATGAGTTGGTTACGCAT
 GTTACCATGGAGCATGTGGGGGGCCCGGAGCAGAACAACACGCTGTCTATTGGGAGGAATGTCCCGCG
 AAGGCAAGTCCTCAAGGCGAAGTACAACTGGTCAACCATATCCGAGTGCACACTGGCGAGAAACCTT
 CCCGTGTCCCTCCCGGGCTGCGGGAAGATTTTGCCCGCTCTGAGAACCTCAAGATCCACAAGAGGACC
 CATAACAGGTGAGAAACCTTCAAATGTGAATTCGAAGGCTGTGACAGACGGTTTGCCAACAGCAGCGACC
 GCAAGAAGCACATGCATGTGCACACCTCGGACAAGCCCTATATCTGTAAGTGTGGCAGCAAGTCCTACAC
 ACACCCGAGTCCCTGCGCAAACACATGAAGGTTTCATGAATCTCAAGGGTCAGATTCTCCCTGCTGCC
 AGTTCAGGCTATGAATCTTCCACTCCACCCGCTATAGCTTCTGCAAACAGTAAAGATACCACTAAAACCC
 CTTCTGCAGTTCAAACCTAGCACCAGCCACAACCCCTGGACTTCTCCCAATTTTAAACGAATGGTACGCTCG
 A

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_009575

Insert Size: 1401 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_009575.2, NP_033601.2</u>
RefSeq Size:	4035 bp
RefSeq ORF:	1401 bp
Locus ID:	22773
UniProt ID:	<u>Q62521</u>
Cytogenetics:	X 32.56 cM
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]