

## Product datasheet for **MC219831**

### **Zic5 (NM\_022987) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Zic5 (NM_022987) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Zic5
Synonyms:	1700049L20Rik; Opr
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC219831 representing NM\_022987  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGATGGAGCCCCCTTTGAGCAAGAGGAACCCGCCAGCGCTGAGATTAGCGGATTTGGCAACGGCTCAGG  
 CCCAACAGCTTCAGAATATGACAGGCTTCCCGGTGCTGGTCGGCCCGCCGCCACTCCCAACGCCGCGC  
 GGTCCGCATGCACCTCCACCCGCGGGACCTAGGCACTGACCCGCGGTAGCCAGCACTGCCTCGGACCC  
 GAGCAGATGGCACAGGCCAGCGGGCAGGGCCCTGTCTCCTTCCAGGGGCTCCCCGGGCTGTCCAGG  
 TCCCCGACCCAGCCGCCCTCCGTGGCCTCAGGGACTCACCCAGGCGCCGCACCCACCCGACGGCGG  
 GGGCAGCAGTGGCGCGCAGGCTCGGCGCCCCGCTCCAGCCCCCTCTTCTCCTCCCTCCAGTCTCC  
 TCTCCCCCTCCCCGCTCCTCCTCCTGCCCTCTCGGGTACTGACCAACAGTGGCGGGCGCA  
 GCAGCAGCGGCAAAGGCCACAGCAGGGACTTCGTCTCCGGAGGGACCTTCCGCCACGGCCCCCGCGG  
 GGCCATGCACGGGGCCCCGCTCGGAGGGGAGCAGCGGTCCGGCAGCAGTCCCCCAGCACCCGACCCCA  
 CCTCCCCACCCGGCCGGGATGTTTCATCTCGGCCAGCGGCACCTACGCGGGCCGGGACGGCGGGCTCCG  
 CGCTCTTCCCGCGCTGCACGACTCTCCCGGGGCTCCCGGTGGCCACCCGCTAAACGGCCAGATGCGCT  
 TGGGCTGGCGGCCCGCGGGCGGCTGCGGCCGAGCTTTACGGCCGCGCGAACCCCTTCGCTCCGCGC  
 TCAGGGGACGCGCACTATGGGGCGGTGGCGGCCCGCGCGCCCGCCCTGCACGGCTACGGAGCCGTGA  
 ACTTAACTGAACCTGGCTGCGGCAGCGGGCGCCGACGCGCCGCGGGGCCCGGGCCACCTGCAACA  
 CCACGCGCCGCCCGCGGCCACCGCGGGCCCGCGCCGACCCGCACCCACCCACCTCCCGGGGGCG  
 GCCGGGCTTCTGCGCTACATGCGGCAGCCAATCAAGCGGGAGCTCATCTGCAAGTGGTGGACCCAG  
 AGGAGCTGGCCGGTCCCGCGGCTCCGCGGACAGCGGCTCAAGCCCTGCTCCAAAATTTGCGCACCAT  
 GCACGAGCTGGTGAACACGTCACAGTGGAGCAGTGGCGGCCCGGAACAGAGCAGCCAGTCTGCTTT  
 TGGGAGGACTGTCCGCGGAGGGCAAGCCCTTCAAGGCCAAGTACAAGCTCATCAACCACATCCGCGTGC  
 ACACCGCGGAGAAGCCCTTCCCCTGCCCGTTCCCGGGCTGCGGCAAGGTCTTCGCGCGCTCCGAGAACC  
 CAAGATCCACAAGCGCACTCATAAGGGGAAAAGCCTTCAAATGTGAATTTGACGGTTGTGATAGGAAG  
 TTTGCCAATAGCAGCGATCGAAAGAAACTCCCATGTCCACACCAGCGACAAGCCCTACTACTGTAAGA  
 TTCGAGGCTGTGATAAATCGTACACCCACCAAGCTCTCTGAGGAAGCACATGAAGATTCAGTCAAGTC  
 CCCCCACCTTCGCTGGAGCTTTGGTACTCGTGGTGGGACTCCCGTGGGTGACCCCTTTGTCCCT  
 GTGCTGGACCCAACCAGGAGTCGATCCAGCACTCTGTCCCTCAGGTGACCAACCTCAATGAGTGGTATG  
 TTTGCCAGGCCAGTGGGGCCCCAGCCATCTCCACACACCTTCCAGCAATGGAACCACCTCTGAGTCTGA  
 AGATGAGGAAATGTATGGGAACCCTGAAGTCATGCGGACGATACAT**TAG**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI  
**ACCN:** NM\_022987  
**Insert Size:** 1869 bp

<b>OTI Disclaimer:</b>	<p>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 <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_022987.3</a> , <a href="#">NP_075363.1</a>
<b>RefSeq Size:</b>	2383 bp
<b>RefSeq ORF:</b>	1869 bp
<b>Locus ID:</b>	65100
<b>UniProt ID:</b>	<a href="#">Q7TQ40</a>
<b>Cytogenetics:</b>	14 E5
<b>Gene Summary:</b>	Essential for neural crest development, converting cells from an epidermal fate to a neural crest cell fate. Binds to DNA.[UniProtKB/Swiss-Prot Function]