

## Product datasheet for **SC305571**

### ZIC5 (NM\_033132) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ZIC5 (NM_033132) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZIC5
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

>OriGene ORF sequence for NM\_033132 edited  
 ATGTTTTTGAAGGCGGGCAGAGGGAATAAAGTCCCCCAGTGAGGGTCTATGGGCCTGAT  
 TGTGTAGTTCTGATGGAGCCCCCTTTGAGCAAGAGGAACCCGCCAGCGCTGAGATTAGCG  
 GATTTGGCAACGGCTCAGGTCCAGCCGCTTCAAGATATGACAGGCTTCCCGGCGCTGGCC  
 GGCCCGCCCGCCACTCCAACTCCGGGCGCCGTCGCGCACCTCCGCTGCGGGACCTG  
 GCGCTGACCCCGCGGTGGCCACCACTCCGCTCGGACCCGAGCACATGGCCAGGCGAGC  
 ACGTGGGCCTCAGCCCTCCCTCCAGGGGTTCCCGGCACACCCGGAGGCTCCGGCAGCC  
 GCCGCCCGTGTGACGCTTGGTCCGCGCACCCCGCGCGGGCAGCTACCCCTGCGGCGGG  
 GGCAGCAGTGGCGCGAGCCCTCCGCGCCCCCGCCCCAGCCCTCCTCTTCTCCACC  
 CCTTACCCCTCCCTCCCGCCTCCTCCTCCTGCCCTCTCGGGCTACACCACC  
 ACCAACAGTGGCGGCGCGCAGCAGCGCAAAGGCCACAGCAGGACTTCGTCTCCGG  
 AGGGACCTTTCCGCCACGGCCCCCGCGCGGCCATGCACGGGGCCCCGCTCGGAGGGAG  
 CAGCGGTCCGGCACCGGCTCCCCCAGCACCCGGCCCCGCTCCCACTCGGCCGGCATG  
 TTCATCTCCGCCAGCGGCACCTACGCGGGCCCGACGGCAGCGGGCGCCCGGCGCTTTC  
 CCCGCGTGCACGACACCGGGGGCCCCAGGCGCCACCCGACCCGCTCAACGGCCAG  
 ATGCGCTGGGGTGGCGCGGCAGCGGACCCGCGCGCTGAGCTGTACGGCCGCGCC  
 GAACCGCCCTTCGCGCCGCGCTTGGGGACGCGCACTACGGGGCGGTGCGGCCGACGG  
 GCGGCCGCCCTGCACGGCTACGGAGCCGTGAACCTAAACCTGAACCTGGCGGCTGCGGCG  
 GCCGACGAGCGGCGGGCCCCGGGCCACCTGCAGCACACGCGCCGCCCGCCCGCGCCG  
 CCGCCGCGCGGGCGCCCGCGCAGCACCCCGCACCAGCACCACCCCACTCCAGGGGCG  
 GCTGGGCCTTCTGCGCTACATGCGGCAGCAATCAAGCAGGAGCTCATCTGCAAGTGG  
 ATCGACCCCGACGAGTGGCCGGGCTGCCGCGCCCGCCCGCCCGCCCGCCCGCCGCCA  
 CCGCCCCGGCCGGCGGCCAAGCCCTGCTCCAAAACCTTCGGCACCATGCACGAGCTG  
 GTGAATCACGTACGGTGGAGCAGTGGGAGGCCCGGAGCAGAGCAGCCACGTCTGCTTC  
 TGGGAGGACTGTCCGCGGAGGGCAAGCCCTTCAAGGCCAAATACAAGCTCATCAACCAC  
 ATCCGCGTGCACACCGCGGAGAAGCCCTTCCCTGCCCTTCCCGGCTGCGGCAAGGTC  
 TTCGCGGCTCCGAGAACCTCAAGATCCACAAGCGTACTCATAAGGGGAAAAGCCTTTC  
 AAATGTGAATTTGATGGCTGTGACAGGAAGTTTGCCAATAGCAGTGATCGGAAGAAACAT  
 TCCCATGTCCACACCACTGACAAGCCCTACTACTGCAAGATTCGAGGCTGTGACAAATCC  
 TACTACTACCCAAGCTCCCTGAGGAAGCAGATGAAGATTCAGTCAAGTCCCGCCACCT  
 TCTCCAGGACCCCTTGGTTACTCATCAGTGGGACTCCAGTGGGGCCCCCTTGTCCCT  
 GTGCTGGACCCAGCCAGGAGTCACTCCAGCACTGTGCCCTCAGGTGACCAACCTCAAT  
 GAGTGGTACGTTTGCAGGCCAGTGGGGCCCCAGCCACCTCCACACCCCTTCCAGCAAC  
 GGAACCACCTCTGAGACTGAAGATGAGGAAATTTACGGGAACCCCTGAAGTTGTGCGGACG  
 ATACATTAG

**5' Read Nucleotide Sequence:**

>OriGene 5' read for NM\_033132 unedited  
 NGGCATGTTTCGTCATTTTGTATACGACTACTNTNAGGNCGCCGCGCATTNCATGTTT  
 TTGAAGGGCGGGCAGTAGGGGAATAAAGTCCCCCAGTGAGGGTCTATGGCCTGATTGT  
 GTAGTTCTGATGGAGCCCCCTTTGAGCAAGAGGAACCCGCCAGCGCTGAGATTAGCGGAT  
 TTGGCAACGGCTCAGGTCCAGCCGCTTCAAGATATGACAGGCTTCCCGGCGCTGGCCGGC  
 CCGCCCGCCACTCCAACTCCGGGCGCCGTCGCGCACCTCCGCTGCGGGACCTGGGC  
 GCTGACCCCGGCTGGCCACCACTCCGCTCGGACCCGAGCACATGGCCCAGGCGAGCAG  
 CTGGGCCTCAGCCCTCCCTCCAGGCGTTCGCGGCACACCCGGAGGCTCCGGCAGCCGCC  
 GCCCGTGTGACGCTTGGTCCGCGCACCCCGCGCGGGCAGCTACCCCTGCGGCGGGGGC  
 AGCAGTGGCGCGCAGCCCTCCGCGCCCCCGCCCCAGCCCTCCTCTTCTCCACCCCT  
 TCACCCCTCCCTCCCGCCCTCCTCCTCCTCCTGCCCTCTCGGGCTACACCACCAC  
 AACAGTGGCGGCGCGGACAGCAGCGCAAAGGCCACAGCAGGACTTCGTCTCCGGAGG  
 GACCTTTCCGCCACGGCCCCCGCGCGGCCATGCACGNGCCCCGCTCGGAGGGGAGCAG  
 CGGTCCGGCACCGGCTCCCCCAGCACCCGGCCCCGCTCCCACTCGGCCGGGATGTTT  
 ATCTCCGCCAGCGGCACCTACGCGGGCCCGGTAAGTGCAGCGGGCGCCCGCGCTTTC  
 CCGCTGCACGAA

<b>Restriction Sites:</b>	Please inquire
<b>ACCN:</b>	NM_033132
<b>Insert Size:</b>	2900 bp
<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	There is 1 nucleotide difference between the OriGene clone and the NCBI reference ORF. OriGene considers these to be polymorphisms and to reflect the natural differences between individuals. These result in the deletion of 1 aa.
<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>	<u><a href="#">NM_033132.2</a></u> , <u><a href="#">NP_149123.1</a></u>
<b>RefSeq Size:</b>	2421 bp
<b>RefSeq ORF:</b>	1920 bp
<b>Locus ID:</b>	85416
<b>UniProt ID:</b>	<u><a href="#">Q96T25</a></u>
<b>Cytogenetics:</b>	13q32.3
<b>Protein Families:</b>	Transcription Factors
<b>Gene Summary:</b>	<p>This gene encodes a member of the ZIC family of C2H2-type zinc finger proteins. The encoded protein may act as a transcriptional repressor. Studies in mouse and Xenopus support a role for this gene in neural crest development. Elevated expression of this gene has been observed in various human cancers and may contribute to cancer progression. This gene is closely linked to a related family member on chromosome 13. [provided by RefSeq, Mar 2017]</p> <p>Transcript Variant: This variant (1) encodes the protein. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>