

## Product datasheet for **SC324071**

### **ORAI3 (NM\_152288) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	ORAI3 (NM_152288) Human Untagged Clone
Tag:	Tag Free
Symbol:	ORAI3
Synonyms:	TMEM142C
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_152288.1  
 CGCTCCGGCTCCTGGGGCTCCCCGACAGCTGCTTTTCTTGCTCCACTGGGGGTGCCTC  
 TTCCTGGGCGCCCGCCGCTGCATCCTGCTCGCCCTGTCTGGGAATGGGGCCGCCCCCGG  
 GCTTGGGCGGCCCGGCTGGGGCCCCGAGGCGCTTCCGCCCCGTAGTGACCCGCTGGTG  
 CCGCCCCCCCCAGGATGAAGGGCGGCGAGGGGACGCGGGGAGCAGGCCCCGCTGAAC  
 CCTGAGGGCGAGAGCCCTGCAGGCTCGGCCACGTACCGGGAGTTTCGTGCACCCGGCTAC  
 CTGGACCTCATGGGGCCAGTCAGCACTCGCTGCGGGCGCTCAGCTGGCGCCGCTCTAC  
 CTCAGCCGGGCCAAGCTCAAAGCTTCCAGCCGACGTCTGCCTTGTCTCGGGCTTCGCC  
 ATGGTGGCCATGGTGGAGGTGCAGCTGGAGAGTGACCACGAGTACCCACCAGGCCTGCTG  
 GTGGCCTTCAGTGCCTGCACCACGTGCTGGTGGCTGTGCACCTCTTTGCACTCATGGTC  
 TCCACGTGTCTGCTGCCACATTGAAGCTGTGAGCAACATCCACAACCTCAACTCTGTC  
 CACCAGTCGCCACACCAGAGACTGCACCCTACGTGGAGCTGGCCTGGGGCTTCTCCACT  
 GCCCTGGGCACCTTCTCTTCTTGCTGAAGTTGTCTGGTTGGTTGGTCAAGTTTGTG  
 CCCATTGGGGCTCCCTTGACACACCGACCCCCATGGTGCCACATCCCGGGTGGCCGGG  
 ACTCTGGCACCAGTGGCTACCTCCCTTAGTCCAGCTTCCAATCTCCACGGTCTCTGCG  
 TCTGCAGCACCGTCCCAGGCTGAGCCAGCTGCCACCCCGGAAGCCTGTGGTGGTGGT  
 GGGGCCATGGGCCAGGCTGGCAAGCAGCCATGGCCTCCACAGCCATCATGGTACCCGTG  
 GGGCTCGTGTGGTGGCCTTTGCCCTGCATTTCTACCGCTCCTTGGTGGCACACAAGACA  
 GACCGCTACAAGCAGGAAGTGAAGGAACTGAATCGCCTGCAGGGGGAGCTGCAGGCTGTG  
 TGAGACTGGTGTAGCCACCGCTCACTGCAAGCACTGCCTCCCTCCGGGGTCTGTAAGAG  
 GCCGCAGGGGCTACAGACCTCATCCCCCATCCCCTGGCTGGAGCCACTCCAGTGGCC  
 ACTCTCAGGCAGATTCAGATTCCTGCCCGCAGGGTCTCTGGGCTGGGCCTTGGGGCAG  
 CTCCCACATCCCAGGGATTTTCCCACATCAGTCTGTCCCTTGGGTTTTGCAAGCTACTCT  
 GCACCTGGGCTGGCCTCAGTTGAAGGATCATGCAGTAGATAGAGGGGAGGCAGGGAGAGC  
 TTGTGGGACCTTCAGTGTGACTTTAGCCACCATTTCCATTCTATACAGGATGTGAAGG  
 TCAGAAGGCAGCAATTGTTGGTTAATTTTTTTTTTTTTTTTGGAGACAGTCTGTTCCAG  
 GCTGGAGTGTAGTATACAGTACAGCTCACTGTAGCCTCGACCTTCCAGGCTCAAAAGA  
 TGCTCCCACCACAGCCTCCAGGTAGTGAGTAGCTGGTACTACAGGTGTGTGCTGCCACA  
 CCCGACTAATTTTTTTGTAGAGACGGGGTTTCGCTGTTCCAGGCTGGTCTCAAACCTCT  
 GGGCTCAAGTGAACCTCCCGCTCGGCCTCCCAAAGTGTGGGATTCCTTTCTTTATTTT  
 TGTAGAATCTATTTTATGTTGGCATTTTGGGGGAAGATTTTCGATGGGTTCCACATCTT  
 GCTTTAGTTGTTGTAGAGGGATTTGGGTGTTTCTACCAAGGCATTGGTCTAGCTTTTCC  
 TACAATGAACCTATCTTTGGAGGTTAAGCTCCCCACCTTCCCCCACTGTGGTGCCTGT  
 GGCCACTTGCAGAAGGGATGGTGCCTGACCCACTGCCCTAGCCCCACGCTATGCACAAA  
 CTTGTTCTCCCGTCTGGTCCAGGGCTGGGGTCTTTAGAGACTGACAGCCTCTGCCCA  
 GGCCTGAGTCCTTAGCAAGGGTTGGTAAGGAGGTTTTAAGGGAGAAGGTCCAGTCTTA  
 GCCCTTGAATACAAAGCTCTTCTGACACTGAATTTGGATGCACCTTGTTTTATAATA  
 AATCGTGTTCACAGAA  
 AAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** ECoRI-NOT

**ACCN:** NM\_152288

<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>OTI Annotation:</b>	<p>This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.</p>
<b>Components:</b>	<p>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).</p>
<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_152288.1</a> , <a href="#">NP_689501.1</a>
<b>RefSeq Size:</b>	2239 bp
<b>RefSeq ORF:</b>	888 bp
<b>Locus ID:</b>	93129
<b>UniProt ID:</b>	<a href="#">Q9BRQ5</a>
<b>Cytogenetics:</b>	16p11.2
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	Key regulator or component of store-operated Ca(2+) channel and transcription factor NFAT nuclear import.[UniProtKB/Swiss-Prot Function]