

## Product datasheet for SC103058

### ORAI2 (NM\_032831) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORAI2 (NM_032831) Human Untagged Clone
Tag:	Tag Free
Symbol:	ORAI2
Synonyms:	C7orf19; CBCIP2; MEM142B; TMEM142B
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC103058 sequence for NM_032831 edited (data generated by NextGen Sequencing) ATGAGTGCTGAGCTTAACGTGCCTATCGACCCCTCTGCTCCTGCCTGCCCTGAGCCGGC CATAAGGGCATGGATTACCGGGACTGGGTCCGCCGCAGCTACCTGGAACGGTCACCTCT AACCACCACTCGGTACAGGCCCTGTCGTGGCGGAAGCTCTACCTGAGCAGGGCCAAGCTG AAGGCCTCCAGCAGGACCTCCGCCCTCCTCTCCGGCTTTGCCATGGTGGCCATGGTGGAG GTGCAGCTGGAGACGCAGTACCAGTACCCGCGGCCGCTGCTGATTGCCTTCAGCGCCTGC ACCACGGTGTGGTGGCCGTGCACCTGTTGCCCCTCCTCATCAGCACCTGCATCCTGCC AATGTGGAGGCCGTGAGCAACATCCACAACCTGAACTCCATCAGCGAGTCCCCGCATGAG CGCATGCATCCCTACATCGAGCTGGCCTGGGGCTTCTCCACCGTGCTTGGCATCCTACTC TTCTGGCCGAGGTGGTGTCTGCTGCTGGATCAAGTTCTCCCGTGGATGCCCGGCC CAGCCTGGCCCCCACCTGGCCCTGGGAGTCACACGGGCTGGCAGGCCGCCCTGGTGTCC ACCATCATCATGGTGGCCGTGGGCTCATCTTCGTGGTCTTACCATCCACTTCTACCGC TCCCTGGTGCGCCACAAAACGGAGCGCCACAACCGCGAGATCGAGGAGCTCCACAAGCTC AAGGTCCAGCTGGACGGGCATGAGCGCAGCCTGCAGGTCTTGTA
	Clone variation with respect to NM_032831.2 429 c=>t



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<b>5' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 5' read for NM_032831 unedited            GTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGTGACAATGTTTGCACAGCCTCTGCCTGGAACCTGGCTCGTGTGACCAGAAGGAAAGGCGGCTGTTTGGCTCTTCTCCCCCGCAAGGACCCGCTGACCCGCTGGATGGAGAGCAAAGGAGACCCCTCCCGAGCCGCTCACAGTCTGTATTTGGCAGGTTTGGGAGCCTGAGGGGCCATCTCCCTGACACTCAGAGGCACTGCCTGCAGACACCATCCGTGCTCCTGGGAAGGAACGTCCCAGGGATGGAA GTGCTTGGATGCGGTGCTGCTGGCTGCGGATGTGCGCAAGGAGATGGGATGGAGAGCCTG AGTTGGCATTTCGTATAAATGACCTGCCTGGCTCCACCATGAGTGTGAGCTTAACGTGC CTATCGACCCCTCTGCTCCTGCCTGCCCTGAGCCCGGCCATAAGGGCATGGATTACCGGG ACTGGGTCGCGCCGAGCTACCTGGAACCTGGTACCTCTAACCACCACTCGGTACAGGCC TGTGCTGGCGGAAGCTCTACCTGAGCAGGGCCAAGCTGAAGGCCTCCAGCAGGACCTCCG CCCTCCTCTCCGGCTNTGCCATGGTGGCCATGGTGGAGGTGCAGCTGGAGACGCAGTACC AGTACCCGCGGCCGCTGCTGATTGCCTCAGCGCCTGCACCACGGTGNCTGGTGGCCGT GCACCTGTTGCGCCTTCTCATCAGCACCTGCATCCTGCCAATGGTGGAGGGCCGTGAGN NCACATCCACACCTGAACTNCATCAGCGAGTCCCGCATGAGCGCATGCATCCCTACATC GAGCTGGCCTGGGGCTTCTTACGTGCTTGGCATCCTACTCTTCTGGNCCGAGTGGTGTCT GCTCTGCTGGATCAAGTCTCCCGTGNATGCCNCGCGAGNCTGGCCCCCA</p>
<b>3' Read Nucleotide Sequence:</b>	<p>&gt;OriGene 3' read for NM_032831 unedited            NCCTCNTTGNACGCGGCCGATTCTANGATCGGTTTTTTTTTTTTTTTTTTTGGAGAGGAGT CTGGCTGTGCGCCAGGCTGGAGTGCAGTGGCGCCATCTCAGCTCACTGCAAGCTCTGCT CCCCCGGTTACGCCATTGCCATTCTCCCGCCTCAGCCTCCCAAGTAGCTGGGGCTACA GGGCCCCGCCACCACGCCAGCTAATTTTCTGTATTTTTTTAGTAGAGACAGGGTTTCAC CATGCTGGCCAGGCTGGTCTCGAACTCCTGACCTCAAGTATCCGCCACCTAGGCCTCC CAAAGTGTGGGATTACAGGCGTGAGTCACTGCGCCCGGCCAGTGACTATTTATGAGA ACAAAGACAAGGCATGGCTGACTCTCCAGGTTACAGCTGGAGAAGAGGGGAAAGGTGTT TGGTTGTACAAGCAGCTCAGGGCAGTGGTGTGCGGCGTGATGTGCGGCCGAGAGCG TGGCTTCGGGTCTACCAGATGCCTTCAAGGAAAAGGCCAGAACCTGCACTGCACGGCACA GTCAGTGTGTGGTGGGACCCAGTGTGCGGCTGAGAGGCTGGAGGGTCTTGCCTCCCT TGTAGTCACTTGGTGTATAACAAGGAGGGCACTCATTTGGCCTGGGCCGGCCCCCTGGCC CCACTATCCACAGGCCAGGCCCGGCCAATGACCTTGCCTAGCAGGAAAGTCCCCCAGG CTGTCCCCTTGTGCTAGGCCATGGGCAAGCTGCACAGGCTCCGGNGCCTGAGGCAGAG GCCCCCGCCTTCTGCTGCCAGGCCAGGGAGCGGCTGAGTCAAGCCTTAGAGCCCTTCTG GGGCCAAACTGGAGCCACTGCTGCGAGGTGGGGGAAGGGTACTACTCCCTATCCGCAT ATATCATTATTCTACCACCCACCACC</p>
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_032831
<b>Insert Size:</b>	2760 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>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_032831.1</a> , <a href="#">NP_116220.1</a>
<b>RefSeq Size:</b>	2527 bp
<b>RefSeq ORF:</b>	765 bp
<b>Locus ID:</b>	80228
<b>UniProt ID:</b>	<a href="#">Q96SN7</a>
<b>Cytogenetics:</b>	7q22.1
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	<p>Ca(2+) release-activated Ca(2+)-like (CRAC-like) channel subunit which mediates Ca(2+) influx and increase in Ca(2+)-selective current by synergy with the Ca(2+) sensor, STIM1. [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) differs in the 5' UTR compared to variant 3. Variants 1, 2, and 3 all encode the same isoform (a). Sequence Note: This RefSeq record was created from transcript and genomic sequence data because transcript sequence consistent with the reference genome assembly was not available for all regions of the RefSeq transcript. The extent of this transcript is supported by transcript alignments.</p>