

Product datasheet for SC321019

ORAI1 (NM_032790) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ORAI1 (NM_032790) Human Untagged Clone
Tag: Tag Free
Symbol: ORAI1
Synonyms: CRACM1; IMD9; ORAT1; TAM2; TMEM142A
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_032790.2
 GCCGCCCCGGGGCTTTTCCAGCGGCCCGCGGGCCTGCGTGCTGGGGCAGCGGGCACTT
 CTTGACCTCGTCTCCTCGTCTGTGCGGCCGGCCGGGTGAGGCCGGGCCCGCTAGGG
 GGCAGTCGGCGGCTGCCTCCGGCGGAGGTGCCTCGCGGCCCGCGGCCCGCCGCGCCTC
 GCGCGGTGCTCCATGCATCCGGAGCCCGCCCGCCCGAGCCGACGAGTCCCGAGCT
 TCCCCAAGCGCGGCAGCACCAGCGGCAGCCGCGGAGCCCGCCGCGCAGCGGGGA
 CGGGGAGCCCCGGGGCCCCGCCACCGCCGCGCTCCGCCGTACCTACCCGGACTGGAT
 CGGCCAGAGTTACTCCGAGGTGATGAGCCTCAACGAGCACTCCATGCAGGCGCTGTCTG
 GCGCAAGTCTACTTGAGCCGCGCAAGCTTAAAGCCTCCAGCCGACCTCGGCTCTGCT
 CTCGGCTTCGCATGGTGGCAATGGTGGAGGTGCAGCTGGACGCTGACCAGACTACCC
 ACCGGGGTGTGCATCGCCTTCAGTGCCTGCACCACAGTGTGGTGGCTGTGCACCTGTT
 TGCCTCATGATCAGCACCTGCATCCTGCCAACATCGAGGCGGTGAGCAACGTGCACAA
 TCTCAACTCGGTCAAGGAGTCCCCCATGAGCGCATGCACCGCCACATCGAGCTGGCCTG
 GGCCTTCTCCACCGTCATCGGCACGCTGCTTCTTAGCTGAGGTGGTGTGCTCTGCTG
 GGTCAAGTTCTTGCCCTCAAGAAGCAGCCAGGCCAGCCAAGGCCACCAGCAAGCCCC
 CGCCAGTGGCGCAGCAGCAACGTGACGACCAGCGGCATACCCCGGGCCAGGCAGCTGC
 CATCGCCTCGACCACCATCATGGTGCCTTCGGCCTGATCTTTATCGTCTTCGCCGTCA
 CTTCTACCGCTCACTGGTTAGCCATAAGACCGACCGACAGTCCAGGAGCTCAACGAGCT
 GCGGAGTTTGCCCGCTTACAGGACCAGCTGGACCACAGAGGGGACCACCCCTGACGCC
 CGGCAGCCACTATGCCTAGGCCATGTGGTCTGGGCCCTTCCAGTGTCTTGGCCTTACGC
 CCTTCCCCTTGACCTTGCTGCCCCAGCCTCACGGACAGCCTGCGCAGGGGGCTGGGCT
 TCAGCAAGGGGCAGAGCGTGGAGGGAAGAGGATTTTTATAAGAGAAATTTCTGCACTTTG
 AAAGTGTCTTAAGAGAATAAGCATTCTCTGTTCTTCCAGCTCCAGGTCCACCTCCTGT
 TGGGAGGCGGTGGGGGGCCAAAGTGGGGCCACACACTCGCTGTGTCCCCTCTCCTCCCCT
 GTGCCAGTGCCACCTGGGTGCCTCCTCCTGTCTGTCCTGTCCTCAACCTCCCTCCCGTCCA
 GCATTGAGTGTACATGTGTGTGTGACACATAAATACTCATAAGGACAAAAA
 AAAAAAAAAAAAAAAAAAAAAA



[View online >](#)

Restriction Sites:	Please inquire
ACCN:	NM_032790
OTI Disclaimer:	<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 custsupport@origene.com 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. More info</p>
OTI Annotation:	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.
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:	<ol style="list-style-type: none">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:	NM_032790.2 , NP_116179.2
RefSeq Size:	1497 bp
RefSeq ORF:	906 bp
Locus ID:	84876
UniProt ID:	Q96D31
Cytogenetics:	12q24.31
Protein Families:	Transmembrane
Gene Summary:	The protein encoded by this gene is a membrane calcium channel subunit that is activated by the calcium sensor STIM1 when calcium stores are depleted. This type of channel is the primary way for calcium influx into T-cells. Defects in this gene are a cause of immune dysfunction with T-cell inactivation due to calcium entry defect type 1 (IDTICED1). [provided by RefSeq, Sep 2011]