

## Product datasheet for SC322922

### ORAI2 (NM\_001126340) Human Untagged Clone

#### Product data:

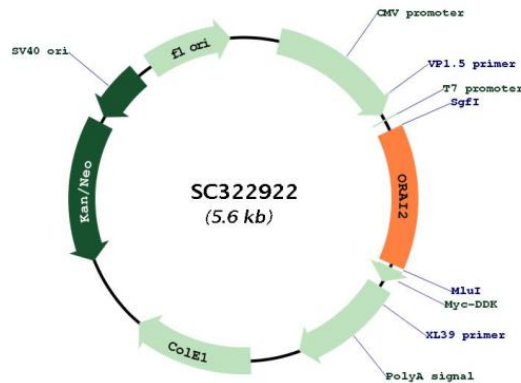
Product Type:	Expression Plasmids
Product Name:	ORAI2 (NM_001126340) Human Untagged Clone
Tag:	Tag Free
Symbol:	ORAI2
Synonyms:	C7orf19; CBCIP2; MEM142B; TMEM142B
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322922 representing NM_001126340. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTGCTGAGCTTAACGTGCCTATCGACCCCTCTGCTCCTGCCTGCCCTGAGCCCGGCCATAAGGGC
ATGGATTACCGGGACTGGGTCCGCCGAGCTACCTGGAAGTGGTACCTCTAACCACCACTCGGTACAG
GCCCTGTCGTGGCGGAAGCTCTACCTGAGCAGGGCCAAGCTGAAGGCTCCAGCAGGACCTCCGCCCTC
CTCTCCGGCTTTGCCATGGTGGCCATGGTGGAGGTGCAGCTGGAGACGCAGTACCAGTACCCGGCCCG
CTGCTGATTGCCCTCAGCGCCTGCACCACGGTGTGGTGGCCGTGCACCTGTTCCGCCCTCCTCATCAGC
ACCTGCATCCTGCCCAATGTGGAGGCCGTGAGCAACATCCACAACCTGAACTCCATCAGCGAGTCCCCG
CATGAGCGCATGCACCCCTACATCGAGCTGGCCTGGGGCTTCTCCACCGTCTGGCATCCTACTCTTC
CTGGCCGAGGTGGTGTCTGCTGCTGGATCAAGTTCCTCCCCGTGGATGCCCGGCCAGCCTGGCCCC
CCACCTGGCCCTGGGAGTCACACGGGCTGGCAGGCCGCCCTGGTGTCCACCATCATCATGGTGGCCGTG
GGCCTCATCTTCGTGGTCTTACCATCCACTTCTACCGCTCCCTGGTGGCCACAAAACGGAGCGCCAC
AACCGCAGATCGAGGAGCTCCACAAGCTCAAGTCCAGCTGGACGGGCATGAGCGCAGCCTGCAGGTC
TTGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: SgfI-MluI



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**Plasmid Map:**


**ACCN:** NM\_001126340

**Insert Size:** 765 bp

**OTI Disclaimer:** 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).

**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:**

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\\_001126340.2](https://www.ncbi.nlm.nih.gov/RefSeq/record/NM_001126340.2)

**RefSeq Size:** 10788 bp

RefSeq ORF:	765 bp
Locus ID:	80228
UniProt ID:	<u>Q96SN7</u>
Cytogenetics:	7q22.1
Protein Families:	Transmembrane
MW:	28.6 kDa
Gene Summary:	<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 (1) 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>