

## Product datasheet for **SC329421**

### ORC4L (ORC4) (NM\_001190879) Human Untagged Clone

#### Product data:

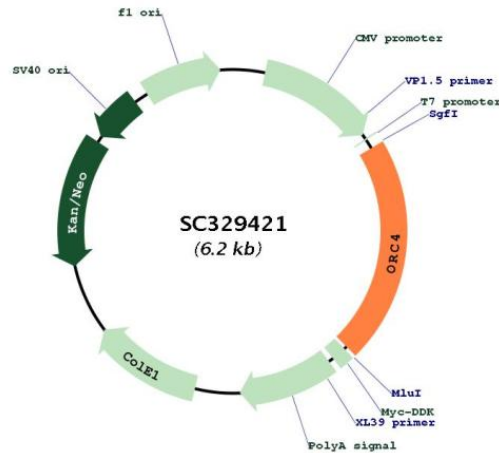
**Product Type:** Expression Plasmids  
**Product Name:** ORC4L (ORC4) (NM\_001190879) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ORC4  
**Synonyms:** ORC4L; ORC4P  
**Vector:** pCMV6-Entry (PS100001)  
**Fully Sequenced ORF:** >SC329421 representing NM\_001190879.  
Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
ATGAGCAGTCGTAATCAAAGAGTAACAGCTTAATTCACACAGAGTGCCTTTCACAGGTACAAGAATT
TTACGTGAAAGATTTTGTGTCGTCAGAGTCCACATAGTAACCTATTTGGAGTGCAAGTACAATACAAACAC
TTAAGTGAGCTGCTGAAAAGAAGTCTCCATGGAGAGAGTAACCTGTGCTTATTATCGGACCCCGA
GGATCAGGAAAACTATGTTAATAAATCATGCTTTGAAAGAAGTCAAGGAAATAGAAGAAGTGAAGTAA
AATGTATTACAAGTTCACCTAAATGGACTGCTGCAGATCAATGACAAAATCGCCCTAAAGGAAATACA
AGGCAGTTAAATCTGAAAATGTAGTTGGAGATAAAGTTTTTGGAAAGCTTTGCTGAAAACCTTTCAAT
CTTCTGGAAGCTTTAAAAAAGGTGACCGAACTAGCAGTTGCCAGTGATCTTCATATTAGATGAATTT
GATCTTTTTGCTCATATAAAAACCAAACACTTCTCTATAATCTTTTTGACATTTCTCAGTCTGCACAG
ACCCCAATAGCAGTTATTGGTCTTACATGTAGATTGGATATTTTGGAACTCTTAGAAAAAAGAGTGAAG
TCAAGATTTTCTACCGGCAGATACACTTAATGAATTCATTTGGTTTTCCACAGTATGTTAAAAATTTT
AAAGAACAGTTATCTCTACCTGCAGAGTTCCAGACAAGTTTTTGGTGTGAGAAGTGAATGAAAATGTT
CAGTATCTCTCAGAAGATAGAAGTGTGCAAGAAGTACTACAGAAGCATTCAATATCAGCAAAAACCTG
CGGTATTACACATGCTATTGATGCTTGCTTTAAATCGAGTAACAGCATCGCACCCATTTATGACTGCC
GTAGATCTAATGGAAGCAAGCCAAGTGTAGCATGGACTCGAAAGCAAATATTGTACATGGTCTATCA
GTCTTGAAATCTGTCTTATAATAGCAATGAAACATTTAAATGACATCTATGAGGAAGAGCCATTTAAT
TTTCAAATGGTCTATAATGAGTTTCAGAAGTTTGTTCAAAGGAAAGCACATTCCGTTTATAATTTGAA
AAACCTGTTGTCATGAAGGCTTTTGAACACTTGCAGCAATTAGAATTAATAAAGCCCATGAAAAGAAGT
TCAGGAAATTCACAGAGAGAGTACCAGCTGATGAAACTGCTTTTGGATAATACTCAAATTAATGAATGCT
CTGCAGAAATATCCCAACTGTCTACAGATGTGAGGCAGTGGGCAACATCCTCACTAAGCTGTTATGA
```

**Restriction Sites:** Sgfl-Mlul



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**Plasmid Map:**


**ACCN:** NM\_001190879

**Insert Size:** 1311 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).

**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\\_001190879.2](#)

**RefSeq Size:** 6710 bp

**RefSeq ORF:** 1311 bp

**Locus ID:** 5000

UniProt ID: [O43929](#)

Cytogenetics: 2q23.1

Protein Pathways: Cell cycle

MW: 50.4 kDa

**Gene Summary:** The origin recognition complex (ORC) is a highly conserved six subunit protein complex essential for the initiation of the DNA replication in eukaryotic cells. Studies in yeast demonstrated that ORC binds specifically to origins of replication and serves as a platform for the assembly of additional initiation factors such as Cdc6 and Mcm proteins. This gene encodes a subunit of the ORC complex. Several alternatively spliced transcript variants, some of which encode the same protein, have been reported for this gene. [provided by RefSeq, Oct 2010]

Transcript Variant: This variant (4) represents the longest transcript. Variants 1 through 4 encode the same protein (isoform 1). 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.