

## Product datasheet for **SC322480**

### ORC4L (ORC4) (NM\_002552) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ORC4L (ORC4) (NM_002552) Human Untagged Clone
Tag:	Tag Free
Symbol:	ORC4L
Synonyms:	ORC4L; ORC4P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

**Fully Sequenced ORF:** >OriGene sequence for SC322480  
 GTACGGTCCGCAGCGGCAGGTGAAGTCTAGCAGAGGACGCGGCCAGGCGATTTCGGTGAAG  
 CGATTCTGCAGGCGTTGGTTCCCTCTTTGACCTGGATTTGAATTTGTTGAAATGAGCA  
 GTCGTAATCAAAGAGTAACAGCTTAATTCACACAGAGTGCCTTTCACAGGTACAAAGAA  
 TTTTACGTGAAAGATTTTGTGTCGTCAGAGTCCACATAGTAACCTATTTGGAGTGCAAGTAC  
 AATACAAAACACTTAAGTGAGCTGCTGAAAAGAACTGCTCCATGGAGAGAGTAACCTG  
 TCCTTATTATCGGACCCCGAGGATCAGGAAAAACTATGTTAATAAATCATGCTTTGAAAG  
 AACTCATGGAAATAGAAGAAGTGAGTGAAAATGTATTACAAGTTCACTTAAATGGACTGC  
 TGCAGATCAATGACAAAATCGCCCTAAAGGAAATCACAAGGCAGTTAAATCTGAAAAATG  
 TAGTTGGAGATAAAGTTTTTGAAGCTTTGCTGAAAACCTTTCATTTCTCTGGAAGCTT  
 TAAAAAAGGTGACCGAACTAGCAGTTGCCAGTGATCTTCATATTAGATGAATTTGATC  
 TTTTGTCTATCATAAAAACCAACACTTCTCTATAATCTTTTTGACATTTCTCAGTCTG  
 CACAGACCCCAATAGCAGTTATTGGTCTTACATGTAGATTGGATATTTTGGAACTCTTAG  
 AAAAAAGAGTGAAGTCAAGATTTTCTACCGGCAGATACACTTAATGAATTCATTTGGTT  
 TTCCACAGTATGTTAAAAATTTTAAAGAACAGTTATCTCTACCTGCAGAGTTCCAGACA  
 AGGTTTTTGTGAGAAGTGAATGAAAATGTTTCAGTATCTCTCAGAAGATAGAAGTGTGC  
 AAGAAGTACTACAGAAGCATTTCATATCAGCAAAAACCTGCGGTTCATTACACATGCTAT  
 TGATGCTTGCTTTAAATCGAGTAACAGCATCGCACCCATTTATGACTGCCGTAGATCTAA  
 TGGAAGCAAGCCAACCTGTGTAGCATGGACTCGAAAGCAAAATTTGTACATGGTCTATCAG  
 TCTTGGAAATCTGTCTTAATAGCAATGAAACATTTAAATGACATCTATGAGGAAGAGC  
 CATTTAATTTTCAAATGGTCTATAATGAGTTTCAGAAGTTTGTCAAAGGAAAGCACATT  
 CCGTTTATAATTTGAAAACCTGTTGTGATGAAGGCTTTTGAACACTTGACGCAATTAG  
 AATTAATAAAGCCCATGGAAAGAACTTCAGGAAATTCACAGAGAGAGTACCAGCTGATGA  
 AACTGCTTTTGGATAAATACTCAAATTATGAATGCTCTGCAGAAATATCCCAACTGTCCTA  
 CAGATGTGAGGCAGTGGGCAACATCCTCCTAAGCTGGTTATGAATATAACCAAGTGACTT  
 CAACTTTGGCATTTCATTACACTTCTGTAGAGAACGAAAACTATTGTCCATTAACATG  
 ATATGCTAAACATTCTATAAACATTCTTGTATTTATGTGAGACTTGCCCATCTACTGTCT  
 TGGCTGTGCTTGCCTTTAATCATGAACAGTTACATGATTTATAATTTCACTGATTGAG  
 ATTACTTTGTAAGTAGCTGTTCCAGAAGAATAAAATATGACTGTTTTAGGGAAAAA  
 AAAAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_002552

**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\\_002552.2](#), [NP\\_002543.2](#)

**RefSeq Size:** 2818 bp

**RefSeq ORF:** 1311 bp

**Locus ID:** 5000

**UniProt ID:** [O43929](#)

**Cytogenetics:** 2q23.1

**Domains:** AAA

**Protein Pathways:** Cell cycle

**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 (2) has an alternate segment in the 5' UTR, compared to variant 4. 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.