

Product datasheet for **SC324611**

ORC5L (ORC5) (NM_002553) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORC5L (ORC5) (NM_002553) Human Untagged Clone
Tag:	Tag Free
Symbol:	ORC5L
Synonyms:	ORC5L; ORC5P; ORC5T; PPP1R117
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_002553.2
 CGCCGAGACTCGGGAGAGGCTGCGTCTTGTGCAAGGGTCCTGTGGGCTGGCTGCACTGGCC
 TCTGCGGTGGTGCCTGCCAGAATGCCCCACTTGGAAAACGTGGTGTCTTGTGCGGAGTCT
 CAAGTGTCCATCTTGCAGTCCTTGTGGAGAGAGACATCATTTACAGCTTCCATCCATT
 TTTATTTATGGACATACTGCTAGTGGAAAGACCTATGTAACACAAACGTTGTTGAAAAC
 TTAGAGCTCCCACATGTGTTGTGAATTGTGTTGAATGCTTTACATTGAGGCTGCTTTTG
 GAACAAATTTTAAACAAATTGAATCATCTTAGTTCCTCAGAGGATGGATGTTCTACTGAA
 ATAACCTGTGAAACATTTAATGACTTTGTTGCTTGTAAACAAGTAACCACAGCTGAA
 AATCTTAAAGATCAGACTGTATATATTGTTCTAGATAAAGCAGAGTATCTAAGAGATATG
 GAAGCAAATCTTTTGCCTGGATTTCTTAGATTACAAGAATTGGCTGACAGAAATGTGACT
 GTTCTCTTTCTCAGTAAATTTGGGAAAAGTTTCGTCCAAATACTGGATGCTTTGAG
 CCGTTTGTCTTATATTTCCCTGATTACAGCATAGGCAACCTTCAAAGATCCTGTCCCAT
 GATCATCTCCAGAGTATTCAGCTGATTTCTATGCTGCCTACATTAACATTCTTCTTGG
 GTTTTCTACACTGTTTGTGAGATTTGAAAGAGCTCAGACATCTGGCAGTACTTAATTTT
 CCTAAATATTGTGAACCCGTGGTTAAAGGAGAAGCAAGTGAACGTGATACTCGAAACTG
 TGGAGAAATATTGAACCTCATTTGAAGAAAGCTATGCAGACTGTTTATCTCAGGGAAATA
 TCAAGTCCCAGTGGGAAAAGCTACAGAAAAGATGACACAGATCCGGGGCAACTGAAAGGC
 CTCTCAGCGCATACTCATGTGGAACCTCCATATTACTCTAAGTTCATTCTAATTGCTGCA
 TACCTTGCTTCATACAATCCAGCAAGAAGTACAGAGGTTTTTTCTTAAGCATCATGGA
 AAAATCAAGAAAACCAACTTTCTAAAAAACACGAAAAGACAAGCAATCATCTCCTTGGG
 CCAAAACCATTTCCACTAGACAGATTATTAGCAATATTATATAGTATCGTGGACAGCAGA
 GTTGCTCCAACAGCAAATATTTTTTCCAGATTACCTCTCTAGTGACCCTTCAGCTGTTA
 ACCCTGGTTGGCCATGACGATCAGCTTGATGGACAAAATACAATGCACAGTGTCTCTA
 GACTTCATCAGAGCTATTGCAAGGACGGTGAACCTTTGACATAATAAAATACTTGTATGAT
 TTCTTGTGAAAACAAGCTTCAAAGCCATATGGACACTGTGACAATGACTAAGCCAAGCTG
 TGTTTCATCCAGCTACTTAGCTGGCCAAGGAGAGGAGTTCTTTGGCTCTATTGGATTTGTC
 CAAACAGGTGCTGGCCAGCATGGAATCTGATGAAAATATTCTGATTGGTCTGGGTGGAT
 GTGAGCAGAAGACTATTTACCAGGGACCCTGGAGTATTTGGAAGCAACGTGTTAATTATA
 AACAGCAGGGTTTGGACACAATCTGTTCTACTCTTAATGATGTTATCTTAACACTGAAAT
 TGCTGAAACCCATTTACTTAGGACTACATTTTGTCTGTGAACTATCCCCTGCGCTTTG
 AACGTGCCAGCAGCCCTGTTTATATGCCATTCTTTTCACTTCTCCTCCACAGGAGCCT
 CTGCAAGTGGCTTCCAAAGCAGATTTTCTAAGGCCACTGTTTTAAAGATCATAGTTGC
 AAAATATAATAAATAACAAGTTCTTTTTAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_002553

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_002553.2](#), [NP_002544.1](#)

RefSeq Size: 1930 bp

RefSeq ORF: 1308 bp

Locus ID: 5001

UniProt ID: [O43913](#)

Cytogenetics: 7q22.1-q22.2

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. The protein encoded by this gene is a subunit of the ORC complex. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Oct 2010]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer 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.