

Product datasheet for SC109523

ORC4L (ORC4) (NM_181741) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORC4L (ORC4) (NM_181741) Human Untagged Clone
Tag:	Tag Free
Symbol:	ORC4L
Synonyms:	ORC4L; ORC4P
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_181741, the custom clone sequence may differ by one or more nucleotides

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ATGAGCAGTCGTAATCAAAGAGTAACAGCTTAATTCACACAGAGTGCCTTTCACAGGTACAAAAGATTT
TACGTGAAAGATTTTGTGTCGTCAGAGTCCACATAGTAACCTATTTGGAGTGCAAGTACAATACAAACACTT
AAGTGAGCTGCTGAAAAGAAGTCTCCATGGAGAGAGTAACCTGTCTTATTATCGGACCCCGAGGA
TCAGGAAAAACTATGTTAATAAATCATGCTTTGAAAGAAGTCTGGAATAGAGAAGTGAGTGAAAATG
TATTACAAGTTCACTTAAATGGACTGCTGCAGATCAATGACAAAATCGCCCTAAAGGAAATCACAAGGCA
GTTAAATCTGAAAATGTAGTTGGAGATAAAGTTTTTGAAGCTTTGCTGAAAACCTTTCATTTCTCTG
GAAGCTTTAAAAAAGGTGACCGAAGTACAGTTCGCCAGTGATCTTCATATTAGATGAATTTGATCTTT
TTGCTCATCATAAAAACCAACACTTCTCTATAATCTTTTTGACATTTCTCAGTCTGCACAGACCCCAAT
AGCAGTTATTGGTCTTACATGTAGATTGGATATTTTGAAGTCTTAGAAAAAAGAGTGAAGTCAAGATTT
TCTCACCGGCAGATACACTTAATGAATTCATTTGGTTTTCCACAGTATGTTAAAAATTTAAAGAACAGT
TATCTCTACCTGCAGAGTTTCCAGACAAGGTTTTTGTGAGAAGTGGAATGAAAATGTTCCAGTATCTCTC
AGAAGATAGAAGTGTGCAAGAAGTACTACAGAAGCATTTCATATCAGCAAAAACCTGCGGTTCATTACAC
ATGCTATTGATGCTTGTAAATCGAGTAACAGCATCGACCCATTTATGACTGCCGTAGATCTAATGG
AAGCAAGCCAAGTGTGTAGCATGGACTCGAAAGCAAATATTGTACATGGTCTATCAGTCTTGAAAATCTG
TCTTATAATAGCAATGAAACATTTAAATGACATCTATGAGGAAGAGCCATTTAATTTTCAATGGTCTAT
AATGAGTTTCAGAAGTTTGTTCAAAGGAAAGCACATTCGGTTTATAATTTTGAAAAACCTGTTGTATGA
AGGCTTTTGAACACTTGACGAATTAGAATTAATAAAGCCATGAAAAGAAGTTCAGGAAATTCACAGAG
AGAGTACCAGCTGATGAAACTGCTTTTGGATAATACTCAAATTATGAATGCTCTGCAGAAATATCCCAAC
TGTCCTACAGATGTGAGGCAGTGGGCAACATCCTCACTAAGCTGGTTATGA

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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_181741 unedited AATTTCGGCACGAGGCCGACGGCAGGTGAAGTCTAGCAGAGGACGCGGCCAGGCGATTC GGTGAAGCGATTCTGCAGGCGTTGGTTCCCTCTTTGACCTGGATTTGAATTTGTTGAA ATGAGCAGTCGTAATCAAAGAGTAACAGCTTAATTCACACAGAGTGCCTTTCACAGGTA CAAAGAATTTTACGTGAAAGATTTGTCGTCAGAGTCCACATAGTAACCTATTTGGAGTG CAAGTACAATACAAACACTTAAGTGAGCTGCTGAAAAGAACTGCTCTCCATGGAGAGAGT AACTCTGTCCTTATTATCGGACCCCGAGGATCAGGAAAACTATGTTAATAAATCATGCT TTGAAAGAAGTCAATGAAATAGAAAGAGTGAGTGAAATGTATTACAAGTTCACCTAAAT GGACTGCTGCAGATCAATGACAAAATCGCCCTAAAGGAAATCACAAAGGCAGTTAAATCTG GAAAATGTAGTTGGAGATAAAGTTTTTGGAAAGCTTTGCTGAAAACCTTTCATTTCTCTG GAAGCTTTAAAAAAGGTGACCGAACTAGCAGTTGCCAGTGATCTTCATATTAGATGAA TTTGATCTTTTCTCATATAAAAACCAACACTTCTCTATAATCTTTTGGACATTTCT CAGTCTGCACAGACCCCAATAGCAGTTATTGGTACTACATGTAGATTGGATATTTGGAA CTCTTAGAAAAAGAGTGAAGTCAAGATTTCTACCGGCAGATACACTTAAATGAATCAT TTGGGTTTCCACAGTATGTTAAATATTTAAAGACAGTTATCTCTACCTGCAGAGTTNNC AGACAGGTTTTGCTGAGAGTGGAATGAAATGTTCAAGTNTCTCAAAGATAGAGTGGN
Restriction Sites:	NotI-NotI
ACCN:	NM_181741
Insert Size:	4600 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:	<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_181741.1 , NP_859525.1
RefSeq Size:	2793 bp
RefSeq ORF:	1311 bp
Locus ID:	5000
UniProt ID:	O43929
Cytogenetics:	2q23.1
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 (1) lacks an exon 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.