

Product datasheet for RC211713

ORC4L (ORC4) (NM_181742) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORC4L (ORC4) (NM_181742) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORC4
Synonyms:	ORC4L; ORC4P
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC211713 representing NM_181742 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCAGTCGTAATCAAAGAGTAACAGCTTAATTCACACAGAGTGCCTTTCACAGGTACAAGAATTT
TACGTGAAAGATTTTGTGTCGAGAGTCCACATAGTAACCTATTTGGAGTGCAAGTACAATACAAACTT
AAGTGAGCTGCTGAAAAGAACTGCTCTCCATGGAGAGAGTAACCTGTCTTATTATCGGACCCGAGGA
TCAGGAAAAACTATGTTAATAAATCATGCTTTGAAAGAACTCATGGAAATAGAAGAAGTGAGTGAAATG
TATTACAAGTTCACCTAAATGGACTGCTGCAGATCAATGACAAAAATCGCCCTAAAGGAAATCACAAAGGCA
GTTAAATCTGAAAAATGTAGTTGGAGATAAAGTTTTTGGAAAGCTTTGCTGAAAACCTTTCATTTCTCTG
GAAGCTTTAAAAAAGGTGACCGAACTAGCAGTTGCCAGTGATCTTCATATTAGATGAATTTGATCTTT
TTGCTCATCAAAAAACCAACTTCTCTATAATCTTTTTGACATTTCTCAGTCTGCACAGACCCCAAT
AGCAGTTATTGGTCTTACATGTAGATTGGATATTTTGGAACTCTAGAAAAAGAGTGAAGTCAAGATTT
TCTCACCGGCAGATACACTTAATGAATTCATTTGGTTTTCCACAGTATGTTAAAAATTTAAAGAACAGT
TATCTCTACCTGCAGAGTTTCCAGACAAGTTTTTGTGAGAAGTGAATGAAAAATGTTTCAGTATCTCTC
AGAAGATAGAAGTGTGCAAGAAGTACTACAGAAGCATTTCATATCAGCAAAAACCTGCGGTCAATTACAC
ATGCTATTGATGCTTCTTTAAATCGAGTAACAGCATCGACCCATTTATGACTGCCGTAGATCTAATGG
AAGCAAGCCAAGTGTAGCATGGACTCGAAAGCAAATATTGTACATGGTCTATCAGTCTTGAAAACTG
TCTTATAATAGCAATGAAACATTTAAATGACATCTATGAGGAAGAGCCATTTAATTTTCAAATGGTCTAT
AATGAGTTTCAGAAGTTTGTCAAAGGAAAGCACATTCGGTTTATAATTTTGA AAAACCTGTTGTCATGA
AGGCTTTTGAACACTTGCAGCAATTAGAATTAATAAGCCCATGGAAAGAACTTCAGGAAATTCACAGAG
AGAGTACCAGCTGATGAAACTGCTTTTGGATAAATACTCAAATTATGAATGCTCTGCAGAAATATCCCAAC
TGTCCTACAGATGTGAGGCAGTGGCAACATCCTCACTAAGCTGGTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



[View online »](#)

Protein Sequence: >RC211713 representing NM_181742
 Red=Cloning site Green=Tags(s)

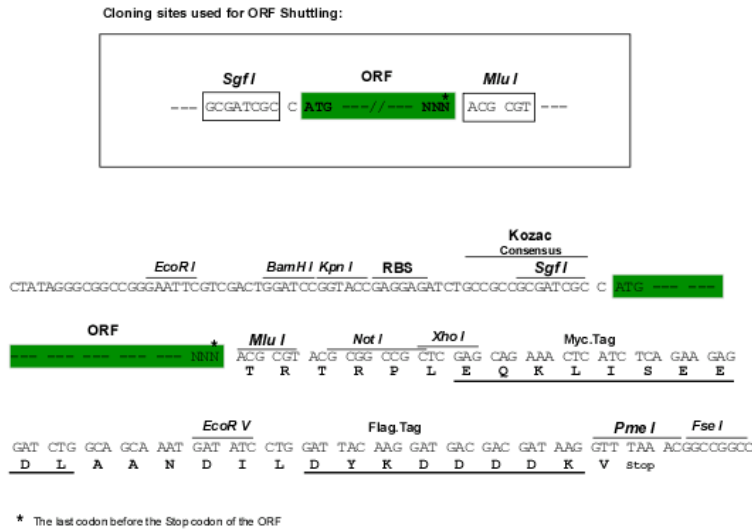
MSSRKSKSNSLIHTECLSQVQRILRERFCRQSPHSNLFVGVQVQYKHLSELLKRTALHGESNSVLIIGPRG
 SGKTMLINHAKELMEIEEVSENVLQVHLNGLLQINDKIALKEITRQLNLENVGDKVFGSFAENLSFLL
 EALKKGDRTSSCPVIFILDEFDLFAHKNQTLTYLFDISQSAQTPIAVIGLTCRLDILELLEKRVKSRF
 SHRQIHLMNSFGFPQYVKIFKEQLSLPAEFDPKVFVFAEKWENVQYLSEDRSVQEVLPKHFNI SKNLRSLH
 MLLMLALNRVTASHPFMTAVDLMEASQLCSDMSKANIVHGLSVLEICLI IAMKHLNDIYEEEPFNFMVY
 NEFQKFVQRKAHSVYNFEKPVVMKAFEHLQQLELIKPMERTSGNSQREYQLMKLLLDNTQIMNALQKYPN
 CPTDVRQWATSSLSWL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

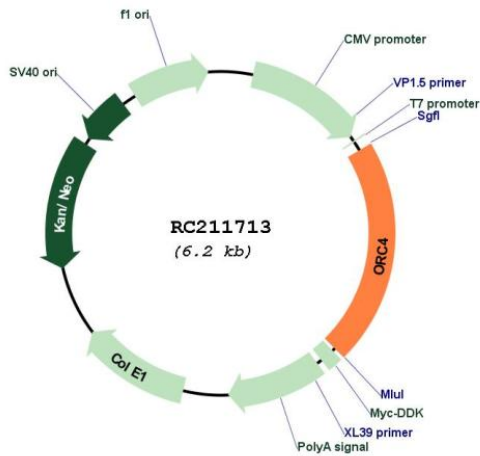
Chromatograms: https://cdn.origene.com/chromatograms/mk6323_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

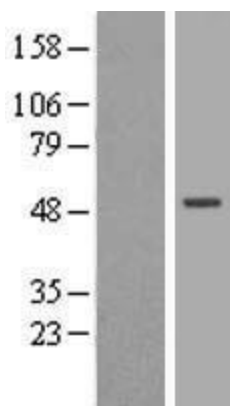


Plasmid Map:

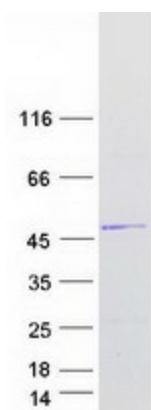


ACCN:	NM_181742
ORF Size:	1308 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_181742.3
RefSeq Size:	2795 bp
RefSeq ORF:	1311 bp
Locus ID:	5000
Protein Pathways:	Cell cycle
MW:	50.2 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]

Product images:



Western blot validation of overexpression lysate (Cat# [LY405645]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with [RC211723] using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified ORC4 protein (Cat# [TP311713]). The protein was produced from HEK293T cells transfected with ORC4 cDNA clone (Cat# RC211713) using MegaTran 2.0 (Cat# [TT210002]).