

Product datasheet for **RC211723**

ORC4L (ORC4) (NM_181741) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORC4L (ORC4) (NM_181741) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ORC4L
Synonyms:	ORC4L; ORC4P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC211723 representing NM_181741
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAGCAGTCGTAATCAAAGAGTAACAGCTTAATTCACACAGAGTGCCTTTACAGGTACAAGAATTT
 TACGTGAAAGATTTGTGTCGAGAGTCCACATAGTAACCTATTTGGAGTGCAAGTACAATACAAACTT
 AAGTGAGCTGCTGAAAAGAACTGCTCTCCATGGAGAGAGTAACCTGTCTTATTATCGGACCCCGAGGA
 TCAGGAAAAACTATGTTAATAAATCATGCTTTGAAAGAACTCATGGAAATAGAAGAAGTGAAGTGA
 TATTACAAGTTCACTTAAATGGACTGCTGCAGATCAATGACAAAAATCGCCCTAAAGGAAATCACAAGGCA
 GTTAAATCTGAAAAATGTAGTTGGAGATAAAGTTTTTGGAAAGCTTTGCTGAAAACCTTTCATTTCTTCTG
 GAAGCTTTAAAAAAGGTGACCGAACTAGCAGTTGCCAGTGATCTTCATATTAGATGAATTTGATCTTT
 TTGCTCATATAAAAACCAACACTTCTCTATAATCTTTTGGACATTTCTCAGTCTGCACAGACCCCAAT
 AGCAGTTATTGGTCTTACATGTAGATTGGATATTTTGGAACTCTTAGAAAAAGAGTGAAGTCAAGATTT
 TCTCACCGGCAGATACACTTAATGAATTCATTTGGTTTTCCACAGTATGTTAAAAATTTAAAGAACAGT
 TATCTCTACCTGCAGAGTTTCCAGACAAGTTTTTGGTGTGAGAAGTGAATGAAAAATGTTCAATCTCTC
 AGAAGATAGAAGTGTGCAAGAAGTACTACAGAAGCATTTCATATCAGCAAAAACCTGCGGTATTACAC
 ATGCTATTGATGCTTGTAAATCGAGTAACAGCATCGACCCATTTATGACTGCCGTAGATCTAATGG
 AAGCAAGCAACTGTGTAGCATGGACTCGAAAGCAAATATTGTACATGGTCTATCAGTCTTGAAATCTG
 TCTTATAATAGCAATGAAACATTTAAATGACATCTATGAGGAAGGCCATTTAATTTTCAAATGGTCTAT
 AATGAGTTTCAGAAGTTGTTCAAAGGAAAGCACATTCGGTTTATAATTTGAAAAACCTGTTGTGATGA
 AGGCTTTTGAACACTTGCAGCAATTAGAATTAATAAAGCCCATGGAAAGAAGTTCAGGAAATTCACAGAG
 AGAGTACCAGCTGATGAACTGCTTTTGGATAATACTCAAATTATGAATGCTCTGCAGAAATATCCCAAC
 TGTCCTACAGATGTGAGGCAAGTGGCAACATCCTCACTAAGCTGGTTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211723 representing NM_181741
 Red=Cloning site Green=Tags(s)

MSSRKSNSLIHTECLSQVQRILRERFCRQSPHNSLFGVQVQYKHLSELLKRTALHGESNSVLIIGPRG
 SGKTMLINHAKELMEIEEVSENVLQVHLNGLLQINDKIALKEITRQLNLENVVGDVFGSFAENLSFLL
 EALKKGDRTSSCPVIFILDEFDLFAHKNQTLNLFDISQSAQTPIAVIGLTCRLDILELLEKRVKSRF
 SHRQIHLMNSFGFPQYVKIFKEQLSLPAEFPDKVFAEKWNENVQYLSEDRSVQEVLQKHFNISKNLRLH
 MLLMLALNRVTASHPFMTAVDLMEASQLCSMDSKANIVHGLSVLEICLI IAMKHLNDIYEEEPFNFQMVY
 NEFQKFVQRKAHSVYNFEKPVVMKA FEHLQLELIKPMERTSGNSQREYQLMKLLLDNTQIMNALQKYPN
 CPTDVRQWATSSLSWL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

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

Restriction Sites:

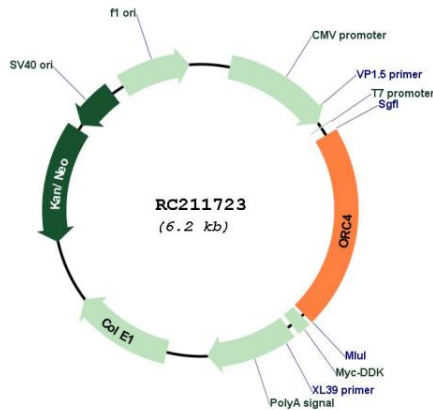
Sgfl-Mlul

Protein Pathways: Cell cycle

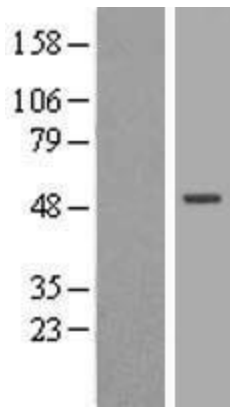
MW: 50.2 kDa

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]

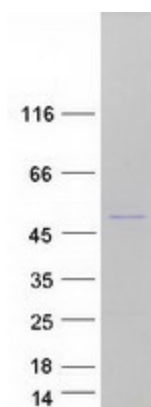
Product images:



Circular map for RC211723



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# [TP311723]). The protein was produced from HEK293T cells transfected with ORC4 cDNA clone (Cat# RC211723) using MegaTran 2.0 (Cat# [TT210002]).