

Product datasheet for RC232722

ORC4L (ORC4) (NM_001190879) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ORC4L (ORC4) (NM_001190879) 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:	>RC232722 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGCAGTCGTAATCAAAGAGTAACAGCTTAATTCACACAGAGTGCCTTTCACAGGTACAAGAATTT
TACGTGAAAGATTTTGTGTCGAGAGTCCACATAGTAACCTATTTGGAGTGCAAGTACAATACAAACACTT
AAGTGAGCTGCTGAAAAGAACTGCTCTCCATGGAGAGAGTAACCTGTCTTATTATCGGACCCCGAGGA
TCAGGAAAAACTATGTTAATAAATCATGCTTTGAAAGAACTCATGGAAATAGAAGAAGTGAGTGAAAATG
TATTACAAGTTCACCTAAATGGACTGCTGCAGATCAATGACAAAAATCGCCCTAAAGGAAATCACAAAGGCA
GTTAAATCTGGAAAATGTAGTTGGAGATAAAGTTTTTGGAAAGCTTTGCTGAAAACCTTTCATTTCTCTG
GAAGCTTTAAAAAAGGTGACCGAACTAGCAGTTGCCAGTGATCTTCATATTAGATGAATTTGATCTTT
TTGCTCATCAAAAAACCAACACTTCTCTATAATCTTTTGGACATTTCTCAGTCTGCACAGACCCCAAT
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AGGCTTTTGAACACTTGCAGCAATTAGAATTAATAAGCCCATGGAAAGAACTTCAGGAAATTCACAGAG
AGAGTACCAGCTGATGAAACTGCTTTTGGATAACTCAAATTATGAATGCTCTGCAGAAATATCCCAAC
TGTCCTACAGATGTGAGGCAGTGGCAACATCCTCACTAAGCTGGTTA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence: >RC232722 protein sequence
 Red=Cloning site Green=Tags(s)

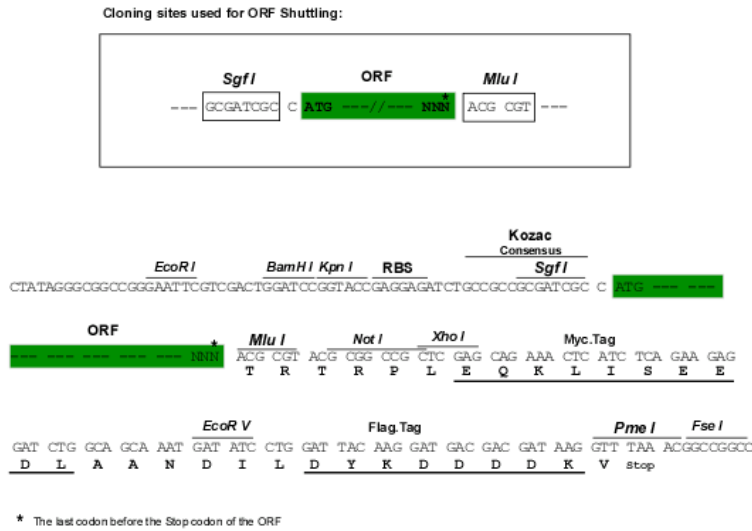
MSSRKSKSNSLIHTECLSQVQRILRERFCRQSPHSNLFVGVQVQYKHLSELLKRTALHGESNSVLIIGPRG
 SGKTMLINHALKELMEIEEVSENVLQVHLNGLLQINDKIALKEITRQLNLENVGDKVFGSFAENLSFLL
 EALKKGDRTSSCPVIFILDEFDLFAHKNQTLTYLFDISQSAQTPIAVIGLTCRLDILELLEKRVKSRF
 SHRQIHLMNSFGFPQYVKIFKEQLSLPAEFDPKVFVFAEKWENVQYLSEDRSVQEVQKHFNI SKNLRSLH
 MLLMLALNRVTASHPFMTAVDLMEASQLCSDMSKANIVHGLSVLEICLI IAMKHLNDIYEEEPFNFMVY
 NEFQKFVQRKAHSVYNFEKPVVMKAFEHLQQLELIKPMERTSGNSQREYQLMKLLLDNTQIMNALQKYPN
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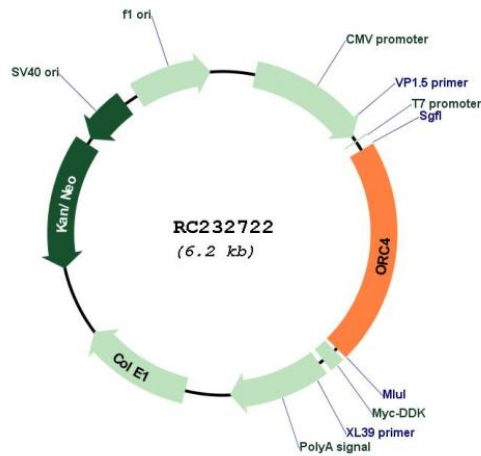
Chromatograms: https://cdn.origene.com/chromatograms/mk6323_g06.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN:	NM_001190879
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_001190879.2 , NP_001177808.1
RefSeq Size:	6710 bp
RefSeq ORF:	1311 bp
Locus ID:	5000
Protein Pathways:	Cell cycle
MW:	50.4 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]