

## Product datasheet for RR206095

### Orc4 (NM\_199092) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Orc4 (NM_199092) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Orc4
Synonyms:	Orc4l
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR206095 representing NM_199092 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAGCAATCGTAAAAGCAAGAATAACATACATGCAGAGTGTCTTCCAGGTACAAGAATTTACGTG  
AAAGGTTTTGTCATCACTCCTCATAGCAACCTATTTGGAGTGAAGTACAATACAAGCATTAAATTGA  
GCTACTCAAAGAAGTCTATCTATGGAGAAAGTAATTCTTTACTCATTGTTGGACCACGAGGATCAGGA  
AAGACCAGTTATTAATCATGCCTTGAAGAGCTCATGCAAATAGGAGACATGAGTGAAAATGTGTAC  
AAGTTCACCTAAATGGACTGCTACAGACAAATGATAAAATGCTCTGAAAGAGATCACAAGACAATTA  
TCTAGAAAATGTAGTTGGAGATAAAGTTTTTGGAAAGCTTTGCTGAAAACCTTTCTGTTTCTCTGGAAGCT  
TTGAGAAAAGGTAACCGGACTAGCAGTTGCCAGTGATCTTCATACTGGATGAATTTGATCTTTTGTCTC  
ATCAGAAAAACCAACACTCCTTTATAATCTTTTTGACATTTCTCAATCTGCACAGACACCAATAGCAGT  
TATTGGCCTTACATGTAGACTGGATATTTTGGAACTCTTAGAAAAGAGAGTGAAGTCACGATTTTCTCAC  
CGGCAGATACATTTAATGAATTCATTTGATTTTCCGCAATATTTGAAAATATTTAAAGAACAATTAATCTC  
TACCTGCAGAATCCAGATAAGATTTTTGCTGAGAAATGGAATGAGAATGCTCATTGTCTCCGAAGA  
TTCAACTGTGCTTGAAGTTCTACAGAAGCATTTCATGTCAACAAAAACTTGAATCATTACATATGCTA  
TTGATGCTTGCTTTAAATCGAGTAACCGTGACACACCCATTTATGACCTCAGCAGATCTGATGGAGGCGC  
AGCACTTGTGTAGCTTGGATGCCAAAGCGAGTATTGTACATGGTCTGTCAGTCTTGGAAATCTGTCTTAT  
AATAGCAATGAAACATTTAAATGACATATATGAAGAGGAGCCCTTAATTTTCAAATGGTGTATAATGAA  
TTTCAGAAATTCATTCAAAGAAAGGCCATTCTGTTTATAACTTTGAGAAAACCTGTGGTCATGAAGGCAT  
TTGAGCACTTACAACAATTTGAATTAATAAAACCCATGGAAGAACCTCAGTCAATCTCAGAGAGAATA  
CCAGCTAGTCAAACACTTTTGGATAATACTCAGATTATGAATGCCTACAGAAATACTCCAACCTGCCCT  
ACAGATGTCAGGCAGTGGCAACATCCTCGCTCAGCTGGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



**Protein Sequence:** >RR206095 representing NM\_199092  
Red=Cloning site Green=Tags(s)

MSNRKSKNNIHAECLSQVQRILRERFCHHTPHSNLFGVQVQYKHLIELLKRTAIYGESNLLIVGPRGSG  
 KTTLLNHALKELMQIGDMSENVLQVHLNGLLQTNDKIALKEITRQLNLENVVGDVFGSFAENLSFLLEA  
 LQKGNRTSSCPVIFILDEFDLFAHQKNQTLNLFDISQSAQTPPIAVIGLTCRLDILELLEKRVKSRFSH  
 RQIHLMNSFDFFPQYLKIFKEQLSLPAEFDPKIFAEKWENAHCLSEDSTVLEVLQKHFVNKNLQSLHML  
 LMLALNRVTVTHPFMTSADLMEAQHLCSLDAKASIVHGLSVLEICLIAMKHLNDIYEEEPFNFMVYNE  
 FQKFIQRKAHSVYNFEKPVVMKAFEHLQQLLEIKPMERTSVNSQREYQLVKLLLNTQIMNALQKYSNCP  
 TDVRQWATSSLSWL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

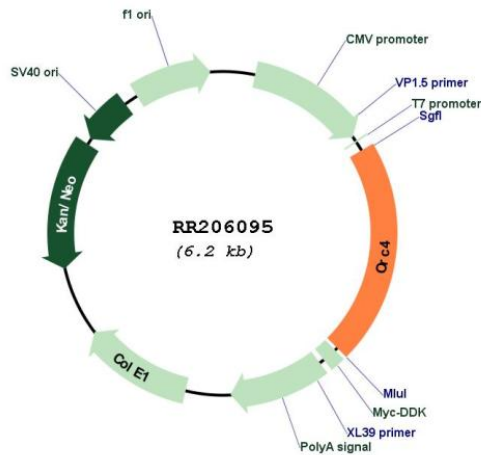
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_199092

<b>ORF Size:</b>	1302 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_199092.1</a> , <a href="#">NP_954523.1</a>
<b>RefSeq Size:</b>	1755 bp
<b>RefSeq ORF:</b>	1305 bp
<b>Locus ID:</b>	295596
<b>UniProt ID:</b>	<a href="#">Q6P9Z8</a>
<b>Cytogenetics:</b>	3q12
<b>MW:</b>	50.1 kDa
<b>Gene Summary:</b>	mouse homolog plays a role in initiation of DNA replication [RGD, Feb 2006]