

## Product datasheet for RR212666

### Rfc2 (NM\_053786) Rat Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rfc2 (NM_053786) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rfc2
Synonyms:	MGC95315
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RR212666 representing NM_053786 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGGAGGTTTCAGGAGAGCGGCAGTGGCTCGGCTGAGAGTGGGACGCAGGAGCCCTCGCTGTCCCCAGCA  
AGACCACCGCCACTACGAGCTGCCGTGGGTTGAAAAATACAGACCAGTGAAGCTCAATGAAATAGTGGG  
AAACGAAGACACTGTGAGCAGGCTGGAGGTCTTTGCAAGAGAAGGCAATGTACCCAATATCATCATCGCT  
GGCCCTCCAGGAACTGGCAAGACAACCAGCATCCTCTGCTTGGCGAGAGCGCTGCTGGGCCCGGCCCTGA  
AGGATGCAGTTCTGGAACCTCAATGCGTCCAACGACAGGGGCATCGATGTGGTAAGGAATAAAATCAAAT  
GTTCCGCCAGCAGAAAAGTCACCCCTCCCAAGGGCCGACACAAGATCATCATTCTGGATGAGGCAGACAGC  
ATGACGGATGGTGGCCAGCAGGCCCTCAGGAGAACCATGGAAATCTACTCCAAAACGACTCGCTTCGCTC  
TGGCTTGTAAATGCTTCAGACAAAATCATAGAGCCCATCCAGTCCCGTGTGCGGTGCTCCGCTACACCAA  
GCTCACCGATGCACAGGTCCTCAGCAGGCTCATGAATGTCATCGAGAAGGAAAAAGTGCCATACACAGAT  
GACGGCTGGAAGCCATCATTTTACAGCCCAGGAGACATGCGCCAGGCTCTGAACAACCTGCAGTCCA  
CCTTCTCAGGATTTGGCTATATCAACAGCGAGAATGTATTCAAGGCTGTGAGCAGGCCACCCCTGCT  
GGTGAAGGAGATGATCCAGCACTGTGTGGACGCCAACATTGATGAGGCCTATAAGATTCTTGCTCACCTG  
TGGCACCTGGGCTACTCGCCAGAAGATGTCATCGGCAATATTTTCCGTGTGTGTAACCTTCCCAATGG  
CTGAATACTTGAACTGGAGTTCATCAAGGAGATTGGATACACCCACATGAAAGTGGCCGAAGGAGTGAA  
CTCCCTGCTGCAGATGGCCGGGCTCCTGGCCAGGCTGTGTGAGAAGACCATGGCTCCGGTGGCCAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
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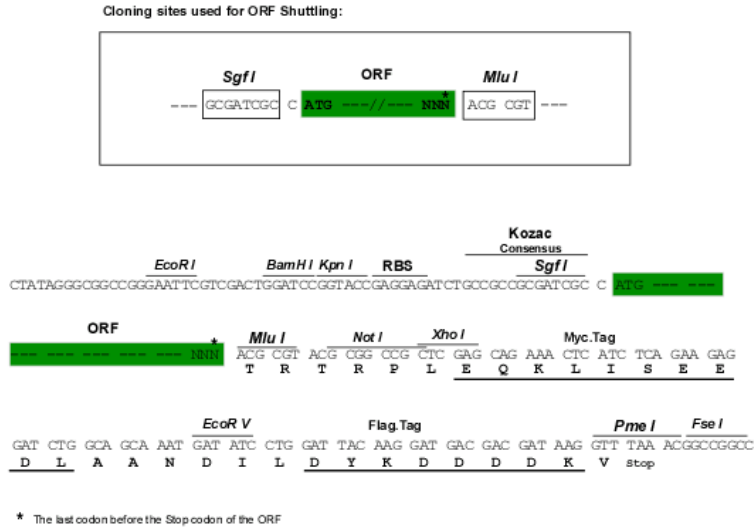
Protein Sequence: >RR212666 representing NM\_053786  
 Red=Cloning site Green=Tags(s)

MEVQESGSGSAESGTQEPSPVPSKTTGHYELPWVEKYRPVKLNEIVGNEDTVSRLEVFAREGNVPNIIIA  
 GPPGTGKTTTILCLARALLGPALKDAVLELNASNDRGIDVVRNKIKMFAQQKVTLPKGRHKIIILDEADS  
 MTDGAQQALRRTMEIYSKTRFALACNASDKIIIEPIQSRCAVLRVTKLTDAQVLSRLMNVIEKEKVPYTD  
 DGLEAIIIFTAQGD MRQALNNLQSTFSGFGYINSENVFKVCDEPHPLLVKEMIQHCVDANIDEAYKILLAHL  
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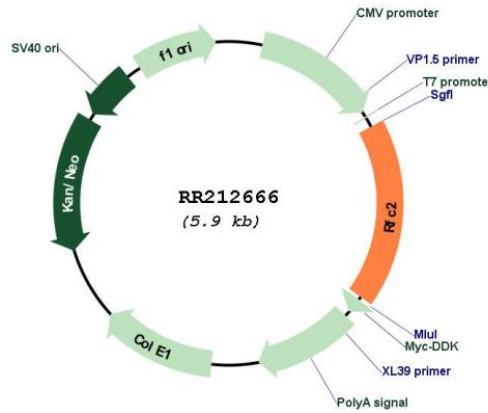
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM\_053786

ORF Size: 1047 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_053786.1</a> , <a href="#">NP_446238.1</a>
<b>RefSeq Size:</b>	1556 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	116468
<b>UniProt ID:</b>	<a href="#">Q641W4</a>
<b>Cytogenetics:</b>	12q12
<b>MW:</b>	38.7 kDa
<b>Gene Summary:</b>	40 kDa subunit of replication factor C; displays decreased expression in postnatal ventricular myocardium; may play a role in neonatal myocardial development and cell proliferation [RGD, Feb 2006]