

Product datasheet for **MG205290**

Rfc2 (NM_020022) Mouse Tagged ORF Clone

Product data:

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|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Rfc2 (NM_020022) Mouse Tagged ORF Clone |
| Tag: | TurboGFP |
| Symbol: | Rfc2 |
| Synonyms: | 40kDa; 2610008M13Rik; AI326953; Recc2 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-AC-GFP (PS100010) |
| E. coli Selection: | Ampicillin (100 ug/mL) |
| ORF Nucleotide Sequence: | >MG205290 representing NM_020022 Red=Cloning site Blue=ORF Green=Tags(s) |

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGAGGTTCCAGGAGAGTGGCTGTGACCCATCCGAGAGTGGGGCGCAGGAGCCCTCGCCTGTCCCCAGCA
AGACCGCCGGCCACTACGAGCTGCCGTGGGTTGAAAAATACAGACCATTGAAGCTCAACGAAATAGTGGG
CAATGAAGACTGTGAGCAGGCTGGAGGCTTTGCAAGAGAAGGCAATGTGCCAATATCATCATTGCT
GGTCCCCAGGAACTGGCAAGACAACCAGCATCCTCTGCTTGGCTCGAGCCTTGTGGGCCCCGCCCTGA
AGGACGCAGTCTGGAAGTCAATGCCTCAAATGACAGGGGCATCGATGTGGTGAGGAATAAAATCAAAT
GTTCCGCCAGCAGAAAGTCACCCCTCCCAAGGGCCGGCACAAGATCATCATTCTAGATGAAGCAGACAGC
ATGACGGACGGTCCCGCAGGCGCCCTCAGGAGAACCATGGAAATCTACTCGAAGACGACCCGATTGCTT
TGGCGTGAATGCTTCAGACAAAATCATAGAGCCCATCCAGTCCCCTGTGCGGTGCTCCGCTACACCAA
GCTCACTGACGCTCAGGTCCTCACCAGGCTCATGAATGTCATCGAGAAGGAAAAGGTGCCATACACAGAT
GACGGCTGGAAGCCATTATCTTCACAGCCAGGGAGACATGCGCCAGGCACTGAACAACCTGCAGTCCA
CCTTCTCAGGATTTGGCTATATCAACAGTGAGAATGTATTCAAGGTCTGCGACGAGCCCCACCCCTGCT
GGTGAAGGAGATGATCCAGCACTGCGTGGACGCCAACATTGACGAGGCCATAAGATTCTTGCTCACCTG
TGGCACCTGGGCTACTCACCAGAAGATGTCATCGGCAACATTTCCGAGTCTGCAAAACCTTCCCGATGG
CTGAATACTTGAAGTGGAGTTCATCAAGGAGATTGGATACACTACATGAAAGTGGCGGAAGGAGTGAA
CTCCCTGCTGCAGATGGCTGGGCTCCTGGCCAGGCTGTGTGAGAAGACCATGGCTCCAGTGGCCAGC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG205290 representing NM_020022
 Red=Cloning site Green=Tags(s)

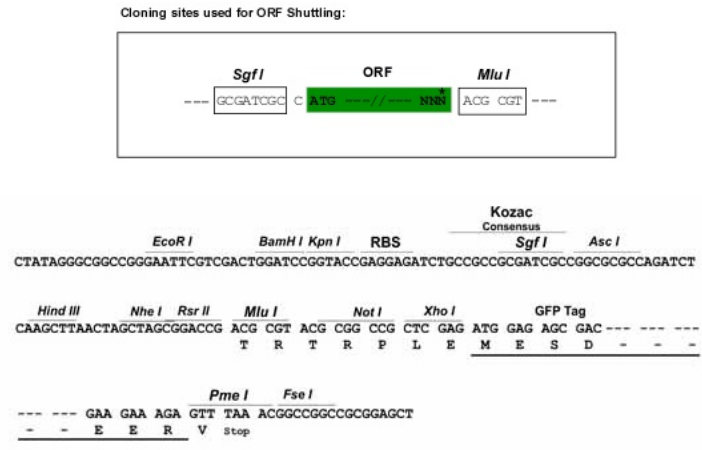
MEVQESGCDPSESGAQEPSPVPSKTAGHYELPWVEKYRPLKLNIEIVGNEDTVSRLEVFAREGNVPNIIIA
 GPPGTGKTTTILCLARALLGPALKDAVLELNASNDRGIDVVRNKIKMFAQQKVTLPKGRHKIIILDEADS
 MTDGAQQALRRRTMEIYSKTTTRFALACNASDKIIIEPIQSRCAVLRYTKLTDAQVLTRLMNVIEKEKVPYTD
 DGLEAIIIFTAQGDMRQALNNLQSTFSGFGYINSENVFKVCDEPHPLLVKEMIQHCVDANIDEAYKILLAHL
 WHLGYSPEVDVIGNIFRVCKTFPMAEYLKLEFIKEIGYTHMKVAEGVNSLLQ MAGLLARLCQKTMAPVAS

TRTRPLE - GFP Tag - V

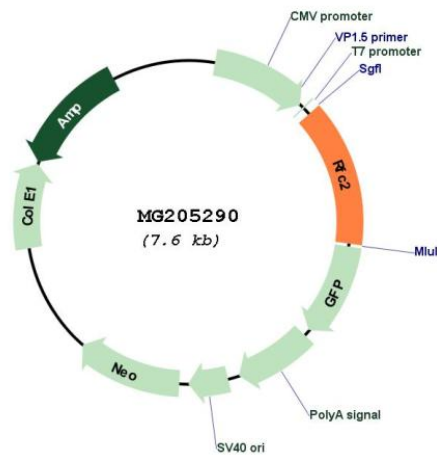
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_020022

ORF Size: 1047 bp

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| 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. |
| Components: | 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). |
| Reconstitution Method: | <ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.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. |
| RefSeq: | NM_020022.2 , NP_064406.1 |
| RefSeq Size: | 1518 bp |
| RefSeq ORF: | 1050 bp |
| Locus ID: | 19718 |
| UniProt ID: | Q9WUK4 |
| Cytogenetics: | 5 74.68 cM |
| Gene Summary: | The elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins proliferating cell nuclear antigen (PCNA) and activator 1. This subunit binds ATP (By similarity).[UniProtKB/Swiss-Prot Function] |