

Product datasheet for MR205065

Rfc5 (NM_028128) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rfc5 (NM_028128) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rfc5
Synonyms:	36.5kDa; 36kDa; 2610020K06Rik; 2610209F07Rik; Recc5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR205065 representing NM_028128 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGACGGCGCCGCGCCTTCGCAGCAGCGGCCCGCGCGGCCCGGGCCCGGAACCTGCCCTGGGTTGAGA
AGTACCGCCACAGACCCTGGCCGATCTCATTCTCACCAGGACATTCTGAGTACCATTAGAAAGTTCAT
CAGTGAAGACCGCCTGCCACACTACTTCTCTATGGCCCTCCAGGGACAGGAAAGACATCCACCATCCTG
GCCTGTGCCAAGCAACTGTACAAAGATAAAGAATTTGGCTCCATGGTCTTGGAGCTGAATGCTTCTGACG
ACCGAGGGATCGATATTGTTTCGGGGCCCAATCCTCAGCTTGGCCAGCACAAAGACAATCTCAAGAAAGG
GTTTAAGCTTGTGATCCTGGACGAAGCCGACGCCATGACTCAGGATGCCAGAACGCCTTGAGACGAGTG
ATTGAGAAGTTCACAGAAAACACAGGTTCTGCCTCATCTGTAACCTACCTGTCCAAGATCATCCCTGCCT
TGCAGTCTCGGTGCACGAGGTTCCGATTTGGCCCTCTGACACCCGAGCTCATGGTCCCTCGACTGGAACA
TGTAAGTACAAGAAGAGAAATGTGGATATAAGTGAAGATGGAATGAAGGCCCTTGTCACCTCTGTCCAGTGGG
GACATGCGAAGGGCTTTGAACATCCTTCAGAGTACCAATATGGCCTTTGGGAAGGTGACAGAGGAGACTG
TCTACACCTGCACCGACACCCACTCAAGACGGACATTGCCAATACTGGACTGGATGCATCAATCAGGA
CTTCACCACTGCCTACAAAACATCATGGAGCTGAAGACTCTGAAGGGCTTGGCGCTGCATGACATCCTG
ACAGAGGTTCACTTGTTGTACACAGAGTTGACTTTCCATCTTCAGTTCCGATACACTTATTGACCAAAA
TGGCAGACATCGAGTACAGACTTTCTGTTGGCACCAGTGAGAAGATACAGCTGAGCTCCCTCATCGCCGC
TTTTCAAGTCACCAGAGACCTGATAGTGCAGAGGCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

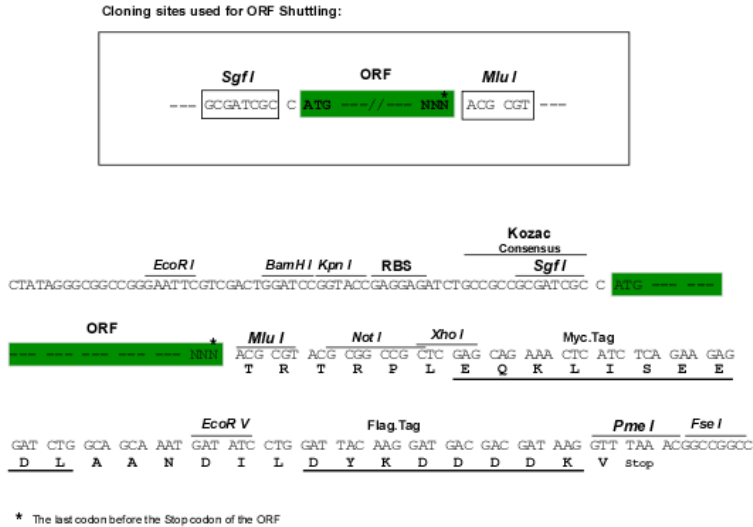
Chromatograms: https://cdn.origene.com/chromatograms/mm9078_h07.zip



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Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_028128

ORF Size: 1017 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.

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:

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_028128.1](#), [NP_082404.1](#)

RefSeq Size: 1750 bp

RefSeq ORF: 1020 bp

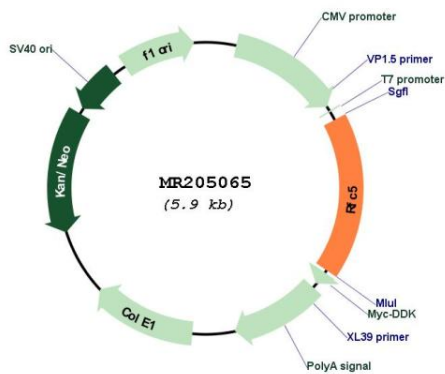
Locus ID: 72151

UniProt ID: [Q9D0F6](#)

Cytogenetics: 5 F
 MW: 38.5 kDa

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. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR205065