

## Product datasheet for MR211679

### Rfc1 (NM\_011258) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Rfc1 (NM_011258) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Rfc1
Synonyms:	140kDa; Alp145; Recc1; RFC140
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR211679 representing NM_011258 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGACATTCGGAAATCTTTGGGGTTATCAAGTGGAAGAAAGCCTGTAACGAGACAGTAAAGAATG  
AGAAGACAAAAGCTTCGGAGGGAAGTGTCAAAGGAAAAAGGGAGTCAAGGAGCCAAAGTCAATAACTC  
CGGTAAGAGGACGCCTCAAACCAAAGCAGCACAGCAAGAAGAAGAGGATCATCAATGACTCAGACTCA  
GAGTCAGAGGAGACAGTACAGGTAAAAATGCTAAAAAGAAATCAGAAAAATTGCTACTGTCTTATAAAC  
CTGGTAAAGTCTCTCAGAAGGATCCTGTACCTACGTCTCTGAGACAGATGAAGATGATGACTTTGTATG  
TAAAAAGGCAGCCTCAAATCAAAGAGAATGGAGTATCTACAAATAGTTACCTTGAACATCAAACGTG  
AAAAAAATGAAGAAAACGTTAAGACTAAGAACAAGCCGTTATCTCCAATAAAACTCACACCAACGTCAG  
TGCTCGACTATTTTGAAGTGAAGTGTCCAGAGATCTGGGAAGAAGATGGTGACAAGCAAAAGGAAAGA  
ATCTTCTCAAACACAGAGGATTCAGATTAATGATGAGGCCATCGCCAAGCAGCTGCAGCTGGATGAA  
GATGCAGAGCTGGAGAGGCAGTTGCATGAAGATGAAGAATTTGCAAGAACAAGTGGCCTTATTGGATGAAG  
AACCAAGATCAAAGGCCCCGAAAGGATTCTGAAGAGGGAGAAGAATCATTTTCATCTGTCCAAGATGA  
TTAAGCAAAGCAGAAAAGCAGAAAAGCCCTAATAAGCCGAGCTTTTCTCAACTGCAAGAAAGACCTAC  
AGTCTGCTAAGCATGGCAAGGGGAGGGCTTCAAGAGATGCTAAGCAGCCTTGCAAAATCAGCTCACCGGA  
AGGAAGCCTGTTCTCACCCAAGGCCAGTGCCAAACTGGCGCTTATGAAAGCAAAAGAAGAAAGTTCTTA  
CAACGAAACAGAGCTGCTGGCTGCAAGAAGAAAAGAAAGCGCCTGAACCCAAAGGAGAGAAAAACAACT  
CCTAAGAAAACGAAAGTTTCTCCAATAAGAGAGAGTCTGTAAGCCAGAAAGACTCTGAAAAAGAGCGCA  
CTAATTCAAGCTTATCGAAGCTACTTGAACCGAGAAGGTCCAAAGCTCTGGGCTCCAAGAAAATACC  
CAAGGGAGCTGAAAATTGCTTGAAGGCCTGACGTTTGTGATCACAGGAGTGCTGGAGTCCATTGAACGA  
GACGAAGCCAAGTCTAATTGAACGTTATGGGGGAAAAGTAACAGGAAACGTGAGCAAGAAAACCAACT  
ACCTCGTCATGGGCCGACAGTGGGCAGTCCAAGAGTGACAAGGCAGCAGCTCTGGGAACAAAAATCCT  
CGATGAAGACGGCCTGTTGGATCTGATTGAACTATGCCAGGCAAGAGATCCAAGTATGAGATGGCTGCT



[View online »](#)

GAGGCTGAGATGAAGAAAAGAAAAGTCCAAATTGGAGCGAACACCCCAAAAAAATGATCAAGGAAAAAGAA  
AAATTAGTCCAGCCAAGAAGGAGTCAAGTCTAAAAAGTCAAGCTGACTCTCCTAAAGAACAGTCTAT  
GAAGGCAGTGAAGAAGGAGGCAAGCACGTGCCAAGGGGCTGGATGTCAAGGAGACACATGGCAACCGC  
AGTAGCAACAAAGAGGAATGTCTGCTCTGGGTGGATAAGTACAAGCCCGCTCACTCAAGAACATAATCG  
GACAGCAGGGTGACCAGAGCTGTGCCAACAAATTAACGTTGGCTCAGAACTGGCACAAGAGTTCTCC  
TGAAGAGAAAAACATGCAGCAAAGTTTGGCAAACCTGCCAGCAAAGATGATGGCTCCAGTTTCAAGGCA  
GCTCTGCTGTCTGGCCCTCCAGGTGTTGGCAAACCACTACAGTCTCTTGTGTGTGAGAAATGGGCT  
ACAGTTATGTGGAATAATGCAAGTGATACTCGGAGTAAGAACAGTTTGAAGCAGTTGTTGCTGAATC  
CTTGAACAACACCAGCATCAAAGCTTTTATACAAGTGGAGCGGCTCCTTCCGTGAGTGCGAGGCACGCC  
CTCATCATGGATGAGGTGATGGCATGGCAGGCAATGAAGACAGGGGTGGAATTCAGGAGCTAATAGGCC  
TGATAAAGCATACTAAAATCCCATCATTTGTATGTGCAATGATAGAAACACCCCAAAATTCGCTCATT  
GGTTCATTATTGTTTTGATCTTCGTTTCCAAAGACCTCGAGTTGAACAGATTAAGAGTGCATGCTGTCT  
ATTGCATTTAAAGAGGGTTTAAAAATCCCCCTCCAGCTATGAATGAAATAATTTGGGAGCTAATCAAG  
ATGTCAGACAGGTTTACACAATCTCAGTATGTGGTGTGCACAAAGTAAGCCCTGACCTATGACCAAGC  
CAAGGCTGATTCTCAGAGGGCTAAGAAGGATATCAGACTGGGCCATTTGATGTCACTCGGAAAGTGTTC  
GCAGCTGGAGAGGAGACTGCACACATGTCACTGATGGACAAGTCAGATCTTCTTCCATGACTATTCCA  
TAGCACCCCTCTTTGTCCAGGAGAACTACCTGCATGTAAGCCTGTGGCTGCAGGAGGTGACATGAAAA  
GCAGTTGATGCTTTAAGCCGGGACGAGATAGCATATGTGACGGTGACTTAGTGGACAATCAGATCCGG  
AGTAAGCAAACTGGAGTCTTCTGCCACCCAGGCCATCTATGCCAGTGTCTTCTTGGAGAGTTGATGC  
GGGGCTACATGACTCAGTTTCCGAGCTTCCGAGCTGGCTGGGGAAGCACTCGTCTACGGGCAAACATGA  
TCGGATTGTTTCCAGACCTATCCTTGCACATGAGTCTTAGAACTTACTCCAGCAAAAGGACAGTGAACATG  
GATTACCTGTACACATCAGAGACGCACCTGTACGACCCTGACCTCACAAGGGTAGAAGGGGCTCAGC  
ATGTCATCAAACCTTATGGACACATACTATCTGATGAAAGAAGATTTTGAAGACATCATGGAAGTTAGCAG  
CTGGGGGGCAAGCCAGTGCCTTTTCCAAGCTGGATCCCAAGGTGAAAGCGGCCTTACAAGAGCCTAC  
AATAAGGAGGCCACCTGACCCATACTCACTTCAAGTAGTAAAGACATCGAGGCTCAGCACGGTCCAG  
CACTGGATTCTGAGTACAGTGAAGGATCCAGGAAGATGACACTCAGTCTGAGAAAGAGCAGGATGCAGT  
GGAGACTGACCCATGATCAAGAAAAAGACAAGATCTTCAAACCTTCAAAGTCAGAAAGAGAGAAGGAG  
TCCAAAAAGGAAAGGAAAGAATTGGAAGAAA

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR211679 representing NM\_011258  
 Red=Cloning site Green=Tags(s)

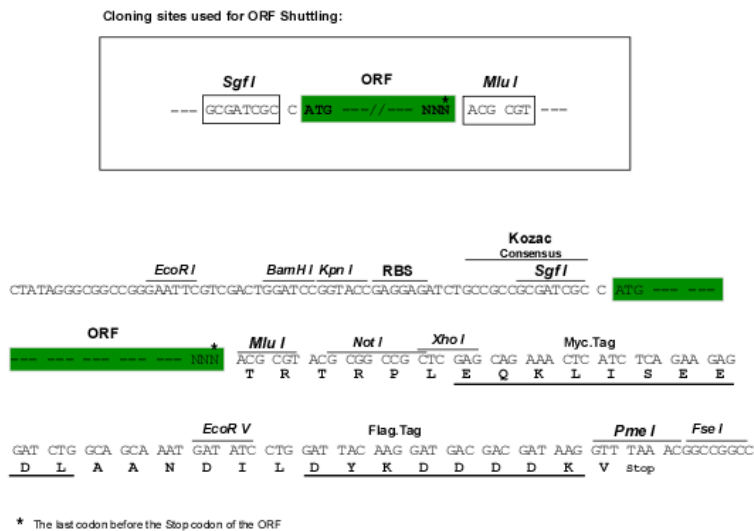
MDIRKFFGVISSGKPKVNETVKNEKTKASEGTVKGGKGVKEAKVNNSGKEDASKPKQHSSKKRIINDSDS  
 ESEETVQVKNNAKKSEKLSL SYKPGKVSQKDPVTYVSETDEDDDFVCKKAASKSKENGVSTNSYLGTSNV  
 KKNEENVKTKNKPLSPIKLTPTSVLDYFGTESVQRSGKKMVT SKRKESSQNTEDSRLNDEAIAKQLQDE  
 DAELERQLHEDEEFARTLALLDEEPKIKKARKDSEEGEESFSSVQDDL SKAEKQSPNKAELFSTARKTY  
 SPAKHGKGRASEDAKQPCSAHRKEACSSPKASAKLALMKAKEESSYNETELLAARRKESATEPKGEKTT  
 PKKTKVSPTKRESVSPEDSEKRTNYQAYRSYLNREGPKALGSKEIPKGAENCLEGLTFVITGVLESIER  
 DEAKSLIERYGGKVTGNVSKKNTNYLVMGRDSGQSKSDKAAALGKILDEDGLLDL IRTMPGKRKYEMAA  
 EAEMKKEKSKLERTPQKNDQGRKISPAPKESSEKCKL TLLKNSPMKAVKKEASTCPRGLDVKETHGNR  
 SSNKEECLLWVDKYKPA SLKNIIGQQGDQSCANKLLRWRNWHKSSPEEKHAAKFGKLASKDDGSSFKA  
 ALLSGPPGVGKTTTASLVCQELGYSVELNASDTRSKNSLKAVVAESLNNTS IKGFTYSGAAPSVSARHA  
 LIMDEVDMAGNEDRGGIQELIGLIKHTKIP IICMCNDRNHPKIRSLVHYCFDLRFQRPRVEQIKSAML S  
 IAFKEGLKIPPPAMNEIILGANQDVRQVLHNL SMWCAQSKALTYDQAKADSQRAKKDIRLGPFDVTRKVF  
 AAGEETAHMSLMDKSDLFFHDYSIAPL FVQENYLHVKPVAAAGDMKKHMLL SRAADSICDGLVDNQIR  
 SKQNWSLLPTQAIYASVLPGELMRGYMTQFSPF SWLGKHSSTGKHDRIVQDL SHMSLRTYSSKRTVNM  
 DYLSHIRDALVRPLTSQGVGAQHVIKLMDTYYLMKEDFENIMEVSSWGGKPSAF SKLDPKVKAAFTRAY  
 NKEAHLTPYSLQVVKTSRLSTGPALDSEYSEEFQEDDTQSEKEQDAVETDAMIKKKTRSSKPSKSEREKE  
 SKKGGKGNWKK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mm9094\\_h01.zip](https://cdn.origene.com/chromatograms/mm9094_h01.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

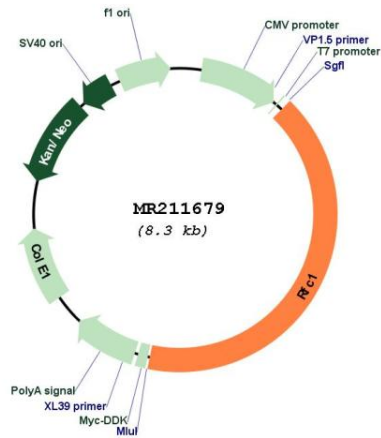


ACCN: NM\_011258

ORF Size: 3393 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_011258.2</a> , <a href="#">NP_035388.2</a>
<b>RefSeq Size:</b>	4731 bp
<b>RefSeq ORF:</b>	3396 bp
<b>Locus ID:</b>	19687
<b>UniProt ID:</b>	<a href="#">P35601</a>
<b>Cytogenetics:</b>	5 33.61 cM
<b>MW:</b>	125.9 kDa
<b>Gene Summary:</b>	The elongation of primed DNA templates by DNA polymerase delta and epsilon requires the action of the accessory proteins PCNA and activator 1. This subunit binds to the primer-template junction.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR211679