

Product datasheet for **MC202493**

Rtf2 (NM_025542) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rtf2 (NM_025542) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rtf2
Synonyms:	1700067C04Rik; 2410001C21Rik; 5730427M17Rik; AA589417
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC049072 sequence for NM_025542
 GTTTCGCCAGAGACCCCGGAAGCGACGGCTTCTCGTCTTTGCTAAGGCTTCTGGTTTTGCTACGGTTTTCT
 TGATTTCCGGCTTTGGGATGGGTTGCGACGGAGGCCACATCCCCAAGAGGCACGAGCTGGTGAAGGGGCCG
 AAGAAGGTCGAGAAGGTTGACAAAGACGCTGAAGTGGTAGCCCAATGGAAGTACTGTACCCTAAGTCAGG
 AAATCCTGAGGCGCCCAATAGTTGCCTGTGAGCTTGGCAGACTGTATAACAAAGACGCGGTATCGAGTT
 TCTGTTGGACAAATCTGCTGAGAAGGCCCTGGGAAGGCGGCATCGCACATCAGAAGCATCAAGAATGTG
 ACAGAGCTCAGGCTTTCTGACAACCCCGCCTGGGAAGGAGATAAAGGGAACACCAAGGGCGACAAGCATG
 ATGACCTCCAGAGAGCGCGTTTCATCTGCCTGTGGTGGCCTGGAGATGAATGGCCGGCACAGTTTTG
 CTTCTCCGATGCTGCGGTTGTGTGTTTTCTGAACGCGCCTTGAAGGAGATAAAAAGCTGAAGTGTGTGAC
 ACGTGTGGGGCTGCCTTCCAGGAGGAGGACATCATTGTGCTCAATGGCACCAAGGAGGATGTGGAGATGC
 TGAAGAAGAGGATGGAGGAGAGGAGGCTGAGGGCCAAGCTGGAAAAGAAAACAAAGAAACCGAAGACAGC
 GACCGAGTGTGCGTCAAAGCCGGGTACCACACAAGATTCCGCAGGGCCATCAAAAGTGAAGTCTGGCAAG
 CCTGAGGAGGCGGACCCTGATCCTAGAGAGAAGAAAAGCACCCCGCTCCAGGGGCGCAGCAACTAATG
 GGAGTGCCTGTGGAAAGTTGGCAAGCCCCATGTGGGGCCTGAAGAGGTCCATTGCAGACAGCGAGGA
 GTCTGAAACCTACAAGTCTATCTTACCAGCCACAGCTCTGCCAAGCGCTCCAAGGAGGAGTCTGCGCAC
 TGGGTCACCCACACATCCTACTGCTTCTGAAGCGGACCGGGCCTTACCCTGGGTTTTCCGTGGCCTTC
 TGTGCCACACTTGCTTGGTGTGGCACTGTGCTATAAAGCTGTCCTCTGCAGTCTCAGCCAGCGTGGTCA
 CTTGCTGTGAGATCTTGAGGGCCCTGGGAGTGAGAAGTGGTGTGTGACCTCCCTAGTAGCAGGTCCACAG
 GCCGTACCTCTCACCTAGCCTGGTACTGCTGCTTCTATTAGGTAACAAAAGACTCCAGCTCTCGGTGTA
 CACTCAGTCTATAATGGTCAAGGAGGGAGTGGCCCCGAGCTTAGGGACAGACTTCCAACAGTCTTAGACC
 TTGCTCCTCACAGGGTTCTTCTGCCTGATCAAGGACTGCAGAGAGGACGCATGCCTGACTGCCTGGTGC
 ACATAACATCCTTTCTGTCTTCTTCTCTCCCTCCGCTATCTTGGTAAGAGAATGGCAGCCATCC
 AGGTGCCGGTGGCAGGCAGGAATGACTCCTTTTCCATCCCACAGTTAAAATTGGGACCTCTGTGACACT
 TCATGTGGTGTGATAGATCTGCCTCTGGGCTGGGACAGATGGCTCACTCAGTGGATAAAGCACTCGCCATG
 GACACTTGTGGACCAGAGTTTAGATCCCCAGAACCCTTATCAAAGCCCGTGAGTGCAGTAGCTGCCTGT
 GATCCCAGCCCCTGTAAGGCAGGGTTCCCTCAGCAAGGCACTGAGTTCAGGGTTCGAGGAGAACCTGCCT
 CAGACACTAGCTGGAGTGCAGTTGAGAGATTCCCAGTGTGAGCCTCTGGCCTCCACACTTAAAGTCCCTG
 TTCCCAAACCAACATGGTGGCATGTCTAATCCAAGCAGTCAAGAGACTGAGGCAGGAGGATCGCCGAGA
 TGTCAGAGCTGGCAAGGTTAAATAGCAAACCTCACCTCAGGAAACAACCCAGAAAAGCCCTGTTCTCT
 GCTGCCCTCTGGTTTGTGCTTGCAGGCGATGAGGCTTGGCCTCAAATACACTTGCATTTATTCTGGGAC
 AGTGTGGGAGCATGGTAGGAGTGTGCAGCAGGTTGGGAGTGGTCCAAGGGACCCTGGGCGCAT
 GACCTTTGTACTTAGAAAATTGAAATAAAGGTTGTAGAAATAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Ascl-NotI

ACCN: NM_025542

Insert Size: 924 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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: [BC049072](#), [AAH49072](#)

RefSeq Size: 2167 bp

RefSeq ORF: 924 bp

Locus ID: 66404

UniProt ID: [Q99K95](#)

Cytogenetics: 2 H3

Gene Summary: Replication termination factor which is a component of the elongating replisome. Required for ATR pathway signaling upon DNA damage and has a positive activity during DNA replication. Might function to facilitate fork pausing at replication fork barriers like the rDNA. May be globally required to stimulate ATR signaling after the fork stalls or encounters a lesion. Interacts with nascent DNA.[UniProtKB/Swiss-Prot Function]