

Product datasheet for **RN207989**

Rtfdc1 (NM_001033890) Rat Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rtfdc1 (NM_001033890) Rat Untagged Clone
Tag: Tag Free
Symbol: Rtfdc1
Synonyms: RGD1311072
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >RN207989 representing NM_001033890
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGGTTGCGACGGAGGCACAATCCCCAAGAGGCACGAGCTGGTGAAGGGGCCGAAGAAGGTCGAGAAGG
TTGACAAAGATGCCGAAGTGGTGGCCAGTGGAAGTACTGTACTTAAGTCAGGAAGTCTGAGGCGCCC
AATAGTTGCCTGTGAGCTTGGCAGACTGTATAACAAAGATGCTGTCATCGAGTTTCTGCTGGACAAATCT
GCTGAGAAGGCCCTAGGGAAGGCCACCTCACACATTAGAAGCATCAAGAATGTGACAGAGCTCAAGCTGT
CTGACAACCCTGCCTGGGAAGGAGATAAAGGGAACACCAAGGGTGACAAGCATGACGACCTTCAGCGAGC
ACGGTTCATCTGCCCTGTGGTGGCCTGGAGATGAACGGCCGGCACAGGTTTTGCTTCTCCGATGCTGT
GGTTGTGTGTTTTCTGAGCGCGCCTTGAAGGAGATAAAAGCTGAAGTTTGTACACATGCGGGGCTGCCT
TCCAGGAGGAGGACATCATTGTGCTCAATGGCACCAAGGAGGATGTGGAGATGCTGAAGAGGAGGATGGA
AGAGAGGAGGCTGCGGGCCAAGCTGGAGAAGAAAAACAAAGAAACCGAAGACAGCCGAGAGTGCTTCAAAG
CTGGGCATCTACAAGACTCTGCAGGGCCATCAAAGGCGAAGGCGGGCAAGTCTGAGGAGGCGGACCCCG
ATCCTAGGAGAAGAAAAGCTCCTTGGCGCCAGGGGCACAGCATCTAATGGCAGTGCTTCTGGGAAAGT
TGGCAAGCCCCATGTGGGGCCCTGAAGAGATCCATCGCAGACAGTGAGGAGTCTGAAACCTACAAGTCC
ATCTTCAAGCCACAGCTCTGCCAAGCGCTCCAAGGAGGAGTCTGCCCACTGGGTCACCCACACGTCCT
ACTGCTTCT**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_001033890



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Insert Size:	921 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:	<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:	<u>NM_001033890.1</u> , <u>NP_001029062.1</u>
RefSeq Size:	2148 bp
RefSeq ORF:	921 bp
Locus ID:	296410
UniProt ID:	<u>Q3T1J8</u>
Cytogenetics:	3q42
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]