

Product datasheet for **MC206308**

Rtcd1 (BC016519) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Rtcd1 (BC016519) Mouse Untagged Clone
Tag: Tag Free
Symbol: Rtcd1
Synonyms: 2310009A18Rik; AI450277; RPC; Rtcd1
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >BC016519

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>BC016519
GCGAGCTCGGCCCGGAAGCGCACTGTCAGGCCTGCGGGCTTGCCGGCCCTCGTCTTTTGCCGGTTGCAG
CAGGGACGTGGTCGCTGCGGCCGGGCTCAGAGGCGCCGCCATGAGGGCCAGCGGGTGGAGTGGACG
GTGGGATCATGGAAGGGGCGGCCAGATCCTCAGGGTCTCCACCGCCCTGAGCTGCCTCCTGGGCCCTACC
CTTGCGCGTGCAGAAGATCCGCGCGGGCCGACGACGCCGGCCCTCAGGCCTCAGCATTTATCTGGACTG
GAAATGGTTCTGATTTGTGTGGCGGCACCTGGAGGGAGCAGAAATCGGCTCAACAGAGATAACCTTTA
CCCCGAGAAGATCAGAGGTGGAGTCCACACGGCAGATACCAAGACAGCAGGGAGTGTGTGCCTCTTGAT
GCAGGTTTCAATGCCCTGTGTCTGTTTGGCGCTTCCCGTGGAGCTCCGTCTGAAAGGCGGCACCAAT
GCGGAGATGGCCCCGAGATCGATTACACCATGATGGTTTTCAAGCCAATTGCTGAGAAGTTTGGTTTCA
CATTTAATTGTGACATTAACGAGGGGCTATTACCCAAAGGGGTGGTGAAGTATTGTCGAGTGTCCGAGTGC
CCCAGTTAAACGATTGGACCCAATAAATCTGACTGATCGAGGCTCTGTGACCAAGATTTATGGGAGAGCT
TTTGTTGCCGGTGTGGTCCACTAAAAGTAGCAAAGATATGGCGCGGGCGGCTGTGCGGTGCATCCGAA
AGGAGATCCGGGATCTGTACGTCAGCATCCAGCCGTGACAGGAGCCAGGGACCAAGCCTTCGGCAATGG
GAGTGGAAATCATCATTGTTGCTGAGACATCCACTGGCTGCTTGTGTTGCTGGATCATCACTTGGCAAAAGA
GGTGTGAATGCAGACAAGGTTGGGATTGAAGCTGCTGAAATGCTATTAGCGAACCTTAGACACGGTGGCA
CTGTGGATGAGTATCTACAAGACCAGCTGATTATTTTCATGGCGCTAGCCAATGGAATTTCCAGAATAAA
AACAGGGCCAGTCACACTCCACACACAGACTGCTATACATTTTGTGAACAGCTAGCAAAGGCCAAATTT
ACCGTGAAGAAATCAGAAGAGGAAGAGGATGCCACTAAGGACACTTACATCATCGAGTGTGAAGGAATTG
GGATGGCAAATCCACACCTCTAGGGTGTTCACGTACGCTTACCTCCTTGTGACTGACTTAGCCCATG
CATGCTGCAACACAGTGTGAGTGTGAGACGTACGCTACCAAAGGACTTGACTCTTTGGAGATGGAGGTTGGC
TGTCAGTTGCTCAGAATGCTCCATCATGTTAAGCTTGTGGGATATCTCCCAAGATACAGACAGTGAACGA
TCAAACGTAATGAATATGTGTAATAGTCAACTCAATATTAACATCATACCCTAACGTTATAAATAAATT
GTTGTTACATACCCTAAAAAAAAAAAAAAAAA
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Restriction Sites: RsrII-NotI
ACCN: BC016519



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Insert Size:	1101 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:	BC016519 , AAH16519
RefSeq Size:	1499 bp
RefSeq ORF:	1101 bp
Locus ID:	66368
Cytogenetics:	3 G1
Gene Summary:	Catalyzes the conversion of 3'-phosphate to a 2',3'-cyclic phosphodiester at the end of RNA. The mechanism of action of the enzyme occurs in 3 steps: (A) adenylation of the enzyme by ATP; (B) transfer of adenylate to an RNA-N3'P to produce RNA-N3'PP5'A; (C) and attack of the adjacent 2'-hydroxyl on the 3'-phosphorus in the diester linkage to produce the cyclic end product. The biological role of this enzyme is unknown but it is likely to function in some aspects of cellular RNA processing (By similarity).[UniProtKB/Swiss-Prot Function]