

## Product datasheet for **RN205104**

### **Ccdc181 (NM\_001014131) Rat Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccdc181 (NM_001014131) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc181
Synonyms:	RGD1309708
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN205104 representing NM\_001014131  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGATGAAGATAAAGGTATTGATTCAAAGAGAGTGGAGAATATGAAGATGACTTTGAAAAGGACCTGG  
 AGTGGTTGATCAATGATAAAGAGAAGAGTAATGGCAGCATGATAGAGGTGGCTTGCAAGAAGGAAGACGA  
 TCTTGACCAGGAATTAAGAGAAGGAAACAGAAACAGAACTCGGCCACAGCTCTCTGATCCAGATAAA  
 CCTCAAAGGATGAGGCCTTGCCAGAAGAAATGACTTCATTTCTGTCCCGAGTATTCAGCCGTTGGATC  
 CCATATCAGACTCAGACAGTGAAGACTCCTCCAGGACTCCAAACCAGAAAACCAGAAAGACCTGGAGGA  
 TGAAGAGGATGAGGAAGTAAGGAGATACATTATGGAGAAAATTATAGAGGCTAACAGCTTCTACAGACT  
 CAGGAACCTGTGAATGATAAAGGGAGCGGAACTGAAGTTCAAAGACAAATTAGTTGATCTGGAAGTCC  
 CACCTTTAGAAGACAGTGACACTTGTAAAGTTCTTTAGAAAACGAGACCAATATGTCTGAAAACTGTC  
 ACAGTTATGTATTTCTGGTGACTTAGGCCAAGAGAGTATGCTCATGTGCTTACTAATGGCGGCTGTGAA  
 GAAAACGATAGGAAGATACTGGTGGAAAGAGATGGGAAGTTTGAACCTATGAACCTACAGGACATTGAGA  
 GTCAGGGGTTCTGCCCCCATAGCAGTGCTAATGGTATGGAACATGAGTCTCACAGTTGCCCTCAG  
 GTCTGCCAACCTGTGTGCGCGGCATCAAGAAAGAAGAGCCCGAGGCAAGATTACATCATGACTCTC  
 TCTCAAGCAGGAGAGCCATTGGCTCAAGTCCCTCAGCCACCAGCCAACCCCAAGAACCGTCCAAGCTCTG  
 CTGCCAACCCAGATCTAAATAAAAAAACAGGAGATCCAGTCACAGGATACAGTCAGCGGGTGTCTCTCC  
 AGTGACCTCGACATACTGTCTTTACCAAGACAGAAGGAACTCCAGAAACAGCTAGAACGAAAGCGTGAA  
 AGGCTGAAGAGGGAGGAAGAACAGCGTAAGCTAGAGGAGGAGAATGAGAAGAAAAAGGAGAACGAGATGG  
 TGTTTAAAGCATGGCTGCAGAAGAAGAGAGAGCAGGTGGTGAAGTGCAGGAGTTTCAGCGAGCGAAGCA  
 GATCGAAGACATGAGCAGCAGACAAGTGAACAGAGACCCACAGCAAGCTTTTCGACTATGGCTTAAGAAA  
 AAGCATGAGGAGCAGATGAAAGAAAGGAAGACTGAGGAGCTGAGAAGCAAGAGGAGTGTGTTGTTCTTTC  
 TGAGAGGAACAGAGGGCCGCGAGAGGGCCTTTAGACAATGGCTCAGAAGGAAACAGATAGAGAAAAAGC  
 AGAGCAGCAGGCTGTCAAAGAGAGAGCGCGCAGCTCCGACTGGAAGCTCGGCGCTCCAAACAACCTGCAG  
 AGCGGCCGTACAGTGTGCCCGAGGCCAAGGCTTCCGCTTACCAGCCACTACAAC**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001014131
- Insert Size:** 1530 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:** [NM\\_001014131.1](#), [NP\\_001014153.1](#)

**RefSeq Size:** 1918 bp

**RefSeq ORF:** 1530 bp

**Locus ID:** 360867

**UniProt ID:** [Q6AYN9](#)

**Cytogenetics:** 13q23

**Gene Summary:** Microtubule-binding protein that localizes to the microtubular manchette of elongating spermatids.[UniProtKB/Swiss-Prot Function]