

## Product datasheet for **RN205890**

### Cep83 (NM\_001014266) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Cep83 (NM_001014266) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Cep83
Synonyms:	Ccdc41; RGD1359593
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN205890 representing NM\_001014266  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGATCGCC**

ATGGACACATTTCTAGCATATTTCCACCCGAGGAGACAGTAGGCTGAATCCTGAACCTGAGTTCCAAA  
 GTATGTTAATAGATGAAAGGGTACGATGTGAACATCATAAACATAATTATCAGGCTCTGAAAATTGAACA  
 CAAAAGGTTGCAGGAAGAATATGTAATAACACAAAATGAACTTAAGCGTGTGTTAAATGAAAAACAACA  
 AACCGAAAAATCCAACCTGCTCCTTGAAGAATTAAGGGGGGAATTAGTAGAGAAAGTTAAGGACATGG  
 AAGCAATGAACTGCAGATATTAACACCACAAAATTTGGAATTTGTAAGCCCAACTACAACAAGAATT  
 AGAAGCTCCAATGCGAGAACGTTTTCGGACTCTTGATGAAGAAGTGAAAGGTACAGAGCTGAATACAAC  
 AAGCTCCGCTACGAGCACACATTCCTCAAGTCAGAGTTTGAACACCAGAAGGAAGAGCTTACTCGTATTT  
 CAGAAGAAGAAAAATGAAATACAAGTCAGAGTTGCACGACTGGAGAAGGATAAAGAGGAACTACATAA  
 CCAGCTGCTTAGTGTGATCCCACAAGAGATAGCAAACGAGTGGAGCAACTTGTTGAGAAAAAACCCAT  
 TTGCTTCAGAAATGAAAAGTTTAGAGGCTGAAGTAGCAGAATTAAGGGCTGAGAAAAGAGAAATCTGGTG  
 CTCAGGTAGAAAATGTCCAAAGAATACAAGTGAGGCAGTTGGCTGAGATGCAGGCCACTCTCAGATCCTT  
 GGAGGCTGAAAAGCAGTCAGCTAAACTACAGGCTGAACGCCTAGAAAAAGAGCTACAATCAAGCAACGAA  
 CAAAACACCTGTTAATTAGTAAATTGCATAAGGCTGACCGAGAAATAAGCACGCTGACTAGTCAGGTGA  
 AAGAGCTTAAACATGCAAACAAGCTCGAAATAACTGACGTCAAAGTGGAGGCTGCAAGAGCGAAGAGTGA  
 GCTAGAGCGAGAGAGGAATAAGATCCAAAGTGAAGTGCATGGACTGCAGTCAGACAATGAAATTCCTAAG  
 TCGACTGTTGAACACCACAAAGTCTTGGTGGAAAAAGATCGTGAATTAATACGTAAGTACAAGCTG  
 CCAAGGAAGAAGTTACCAGAACTTGTGGTCTTGCAAGATGAAAAGCTAGAAGTTGAGAACAGATTATC  
 AGACTTAGAGAAAAATGAAAGTGGAGCATGATGTCTGGAGGCAGTCGGAAAAGGATCAGTGTGAAGAGAAG  
 CTGCGGGCCTCCAGGGCAGAGGAGGAGCCCGGAGGGAAGTGCAGAGCATTAGGTTAAAACTTCAAC  
 AACAAATGTGAATACCGAAAAAGCAGAGAAAAGAAAACTTAAAATTTGAACTGAAACAGCAAATCAG  
 TCATTTACAGATCCAAGTGACCTCACTGACGCAGTCAGAGAATGACTTGCTGAATTCAAACCAAATGCTG  
 AAGGACATGGTGGAGAGGTTAAGCAAGAGTGCCGACATTTAAGAAGCCAAGCTGAAAAGTGAAGTGA  
 AAGTTGAAAAGACTGGAGGAAAAGCAGATACAGTGGTTGGAAGAAAAGCATAAGCTTCATGAGCGTAT  
 CACAGACAGAGAGAAAAGTACAATCAAGCAAAAGAGAAAAGTGCAGCGGGCAGCAACTGCTCAGAAAAAG  
 AGAAAATCTTTCATGAGAATAAATTGAAGAGACTGCAGGAGAAAAGTGGAAAGTCTTGAGGCAAAGAAAAG  
 AAGAATTAGAGACAGAAAACCAGGTGTTAATAGACAAAATGTTCCATTTGAAGAATATACAAGGCTTCA  
 GAAACGACTAAAGGACATACAGAGAAGACATAATGAATTTGAAAGTCTAATCTTGTTTCTAACATGCCT  
 CCCGCAGCATCGGTCAATCCTGCTAACTCCAGTCCCTCAGCTATAGTTTCTGGAGTGGAACTCTCCTTTT  
 CCCCTCATCTGCAGGAAGAACAGCATCAAAGAGAACTCTCTCCTTCGCAAAAGACTGGAAGAGCTAGA  
 AACTACACAAAGAAAACAAGTAGAGGAAGTGGATCTCCCGGGGAG**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001014266
- Insert Size:** 2079 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\\_001014266.2](#), [NP\\_001014288.1](#)

**RefSeq Size:** 3000 bp

**RefSeq ORF:** 2079 bp

**Locus ID:** 366872

**UniProt ID:** [Q66H89](#)

**Cytogenetics:** 7q13

**Gene Summary:** Component of the distal appendage region of the centriole involved in the initiation of primary cilium assembly. May collaborate with IFT20 in the trafficking of ciliary membrane proteins from the Golgi complex to the cilium during the initiation of primary cilium assembly (By similarity).[UniProtKB/Swiss-Prot Function]