

## Product datasheet for **RN213031**

### Deup1 (NM\_001014087) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Deup1 (NM_001014087) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Deup1
Synonyms:	Ccdc67; RGD1306632
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >RN213031 representing NM\_001014087  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGAACCAAGCCCATACTACGGCAGGAGCTTCTCCTTGTGAAGCTGAGCTTCAGGAAGCTGATGGAGC  
 AAATCGACATCATGGTAAGCAACAAGAAGCTGGACTGGGAAAGGAAGATGCGGGCTTAGAGACACGCTT  
 AGACCTTCGGGATCAAGAGTTGGCCAACGCACAGACTTGTGGACCAGAAAGGCCAGGAGTGGGGTTA  
 CTTTCGACAGAAGCTGGACAGTCTAGAAAAGTGTAACTAGTAATGACTCAGAAGCTATGAAGGACAGCTAC  
 AGACCCTAAAAGCGCAATTTTCTAAGCTAACCAATAAATTCGAAAAGCTAAGATTACATCAGATGAAGCA  
 AAACAAAGTACCGGAAAGAAGCCTCCAACAAAGATGAAACGCCTTTTGAAGTGAAGCTGAGCAGTTGAACCG  
 AAGATAGAGGAGTTCAGAGCGAAGTCGAGGGAGTGGGACAAGCAGGAGATTCTCTACCAGACCCACCTGG  
 TGTCGCTGGACGCTCAGCAAAAGTTACTCTCTGAAAAGTGAATCAATTTTCAGAAAACAGGCACAAAATTA  
 CCAAAGTCAAGTAAACGGGAAACAGCAGCGGCCAGAGGACAGCAGCCCTGAGACCCCTCGCTGGTGTGT  
 GAGTCCAGTCTGGCTGTGAAGCCACGCAAGAGATGAGTTCATTATCGAAAAGTTAAAGTCGGCGGTGA  
 GCGAAATAGCGCTGAGCAGGAACAAGTTACAGGACGAGAACCAGAAGCTCCTGCAGGAAGTGAAGATGTA  
 CCAGAGGCAGTCCAGGCCATGGAAGCAGGACTGTGAGAGTGAAGAATGAGTTACAATCACGTGATGAT  
 CTCCTGAGGATAATAGAAATGGAAGACTACACTTGCATAGGGAAGTCTGAAAATGGGAGAACTGCAGA  
 CTGTTCAAGATAACAGAAAAAGAGTTGAGTCATCATATCCCCTTCTACTAAAGAACCAGAAAGGAAAAAG  
 AAAGGAGCTGTTTTCAGTGGTCTCGGATCAACCAATCATGAAAAGGAATTAACAAGATGAGAAGCCAG  
 CTCTATCAGGAGGAAGACCTGTGCTCCGAACAGGAACGGATGAGGAACGAGATCTCCGAAGTCAACCCAGG  
 AACTTCACCAGAAGGAGGTCATATAGCAACCATCATGAAGAAAGCTGCCCTTCTGGAAAGACAGTAAA  
 GATAGAATTAGAAAATAAAGAAAAAATGTTAGCAAGCAACAGATCTCAGACAGAAGATACAAAGCTGTC  
 AGAACAGAAAACACACCTGAAGGGAATGATGGGAGACTTAGACCCCTGCACGGTACTTGACTGTGGACT  
 TTAGTAACAAGGAGCATTTCGAGGCACACATCAATTAACAAGCTTGAATACGAGAACGAGAGGCTCCGAAG  
 CGATCTCGCCAAGCTCCACATCAATGGAAGGCAGCGTGGTCCAATCAGAGCAGCTATGAAGGAGCAGGG  
 GCATACATCTACCAGAGCCAGCTGAAAACGGAGACCGGTGGAGACAGAATTAGCGAAGACTGTGAGATGA  
 ACAGAAGCCCAACACCCTTGTGCGCTTTGCCATTTAGACCAAAGAAATGACAAGTCCATTGGCTGGTGA  
 CAATGAAGTCTCCCTCTGTCTCCACCAGATATCCTTCCGGGCTTCCCTAGCTGCGCAGCACTTCCCTC  
 ATGGAAGAAGAGAAGCGGGCCAAGGAGCTTGAGAAGCTGCTCAACACACACATCGATGAGCTCCAGAGAC  
 ACACCGAGTTCACGCTTAACAAATACACCAAAGTCAACAGAGTAGACACATA**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_001014087
- Insert Size:** 1806 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\\_001014087.1](#), [NP\\_001014109.2](#)

**RefSeq Size:** 2615 bp

**RefSeq ORF:** 1806 bp

**Locus ID:** 315438

**UniProt ID:** [Q5U3Z6](#)

**Cytogenetics:** 8q12

**Gene Summary:** Key structural component of the deuterosome, a structure that promotes de novo centriole amplification in multiciliated cells. Deuterosome-mediated centriole amplification occurs in terminally differentiated multiciliated cells and can generate more than 100 centrioles. Probably sufficient for the specification and formation of the deuterosome inner core. Interacts with CEP152 and recruits PLK4 to activate centriole biogenesis (By similarity). [UniProtKB/Swiss-Prot Function]