

Product datasheet for **MC217122**

Deup1 (NM_181816) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Deup1 (NM_181816) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Deup1
Synonyms:	4933401K09Rik; Ccdc67
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >MC217122 representing NM_181816
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGAACCAAGCCCATACCACAGCAGGAGCTTCTCCTTGGAAGCTGAGCTTCAGGAAGCTGATGGAAC
 AAATCGACATCATGGTAAGCAACAAGAAGCTAGACTGGGAAAGGAAGATGCGGGCTTTAGAGACACGGTT
 AGACCTTCGGGATCAAGAGTTGGCCAACGCACAGACTTGCTTGGACCAGAAAGGCCAGGAGTGGGGTTG
 CTTCCGGCAGAAGCTGGACAGCCTAGAGAAATGTAATCTAGTAATGACTCAGAAGCTATGAGGGCAGCTAC
 AGACCCTAAAAGCTCAATTTTCTAAGCTAACCGTAAGCTTCGAAAAGCTGAGATTACACCAAATGAAGCA
 AAACCAAATTCACCGAAAGGAGTCTCCAGCAAAGAAGAACTGCCCTTTGAGCTGAGCAGTCTGAACCGAG
 AACTAGAGGAGTTCGAGCAAAGTCGAGGGAGTGGGACAAGCAGGAGGTCTCTACCAGACCCACCTGG
 TGTCCTGGATGCTCAGCAGAAGTTGCTCTCTGAAAAGTCAGCCAGTTTCAGAAACAGGCACAAAATTA
 CCAAAGCTCAGCTAAACGGGAAAAAGCAGTGCAGAGGACAGCAGCTCTGAGATCCCTCGCCTGGTGTGT
 GAGTCGGATCCTGGCTGTGAAGCCACTCAAGAGATGAGTTCATTATCGAGAAGTTAAAGTCGGCCGTGA
 GTGAAATCGCGCTGAGCAGGAACAAGTTACAAGATGAAAACCAGAAGCTCCTGCAGGAAGCTGAAGATGTA
 CCAGAGGCAGTGCAGGCCATGGAAGCAGGACTGTGAGAGGTGAAGAGTGAAGTACAGTCGCGAGACGAT
 CTCCTGAGGATTATAGAAATGGAAGACTGCACCTTGATAGAGAACTGCTGAGAAATGGGTGAAGTGCAGA
 CTGCTCAAGATAACAGGAAAAGAGTTGAGTCATCATATCCCCTTCTCCTAAAGAAGCAGAAAGGAAAAG
 GAAGGAGTTGTTTCCAATGGTCTCAGATCAACCAATCATGAAAAGGAATTAAGCAAGGCTGTGGACTTA
 AGTAACAAGAAGCATTACAGTGCACATCAATTAACAAGCTTGAATATGAGAACGAAAGACTCCGAAGCG
 ATCTCGCAAGCTCCATGGCAATGGAAAAGCAGCGTGGCCCAATCAGAGCAGCTATGGTGAAGCAGGGGC
 ATACGTCTTCCAGAGCCAGCTGAAAACGGAGACCAGTGGAGACAGAATTAGCCAAGACTGCGAGCTGAAC
 AGAAGCCACACCCCTTGTGCCTTTGCCATTTAGACCAGAAAGAAATGGCAAGCCATTGGTTGGTGACA
 ATGAAGTCTCGCTCTGTCTCCACCAGATATATCCTTCCGGGCTTCCCTAGCTGCACAGCACTTCTGAT
 GGAGGAAGAGAGGCGGGCCAAGGAGCTTGAAGAAGTCTCAACACACACATCGATGAGCTGCAGAGACAC
 ACCGAGTTCACGCTTAACAAATACACCAAAGCTCAAGCAGAGTAGACACAT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul

ACCN: NM_181816

Insert Size: 1524 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_181816.2](#), [NP_861537.2](#)

RefSeq Size: 3045 bp

RefSeq ORF: 1524 bp

Locus ID: 234964

UniProt ID: [Q7M6Y5](#)

Cytogenetics: 9 A2

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.[UniProtKB/Swiss-Prot Function]