

Product datasheet for **RN201983**

Ccdc8 (NM_001009533) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc8 (NM_001009533) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Ccdc8
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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Fully Sequenced ORF: >RN201983 representing NM_001009533
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTGCAGATTGGGAGGATGTTGACTATCTGCTCATCCCCGGGAGGTCGGCTGGTGGGGCGTGT
GGAGAGTCATCTCAAGCCTGCCACTAAGGAGGCTGTGTTTCGGGAGCGGCTGATCCAGTTTCTGCAGGA
GGAGGGCCGCACCTGGAAGATGTGGCTCGTATCATCGAAAAGAGTACTCCACATCCACCCAGCCCCC
AAAAAAGCCAAGGTGCCAGAGTGAGGAGAGTCCCGCAGATGGTCACTCCTCCACTTCGGCTGGTTGTAG
GCATTTACGACAGCAGCAATGGCAGCGATAGCGAGTTGAGTGACTTCGATACATCCAAAGTCAAAGGCAA
CAGGGGCTCCGGGAAGACCAGGAAGGTGCGCAAATGCCGGTCAGTACTTGGGCAGCAAATTCCTGGGC
AGCGATGAGAGCGAGGATGATCAGGAGCTGGTAGAGGCCCTTCTCCGCCGGGGAGAAGAAGCCAGCG
CGCTCCTCCACGGCGCCGAGTCAATCTCCAGTGCCTATGTTTGAAGAATAACCTGGGGCCCGCCATC
CAAGGGGACAGATGGCGGGAGTATGTAGCCAGGTGTCTGGGGGAAGCTGAAACAGAGGGTGAAGGC
TGGGCGCCAGATCAGGCTCCGAGGTGGGCCAGGCCAGCAGTCTCCATAGCTGAGAGGGCTGGAGAAA
TGAGACACAGCCACACCAGCCCAGACCTGGATGATAGTCCAGAAACACAGGAGACCTGAGCGACCAGAC
ACTGATTACTAGACGCTGGAAGCCCAAGATCAAGTGGGTCTCCTTGAGACGATGCAGGAAGGAGCAGGTG
CCACCCTCGGCTCACGGGACAGCTGAAGAGCCCCAGAGGCTGCAGAAAACAGGGAGCAGGGGCTGCAG
CTGAACATGGGGTAGAGGCTGCAGCTAGCCAGAGGCCAGAGGCTGCAGCTAGTCCAAGAGCAGAGGCTG
AGCTAATCCAAGAGCAGAGGCTACAGCTAATCCAAGAGCAGAGGCTGCAGCTAATCCAAGAGCAGAGG
CTACAGCTAATCCAAGAGCAGAGGCTGCAGCTAATCCAAGAGCAGAGGCTGCAGCTAATCCAAGAGCAG
GGCTGCAGTTAATCCAAGAACAGAGGCTGCAGCTAATCCAAGAGCAGAGGCTGCAGTTAATCCAAGAGCA
GAGGCTACAGCTAGTCCAGGGCAGAGGCTGCAGCTAGTCCAAGGCAGAGGCTGCAGCTAGTCCAAGGG
CAGAGGCTGAAGTTAACCAGAAGACAGAGGCTACAGCTAGTCCAAGGCAGAGACTGCAGCTAGTCCAAG
GGTAGAGGCTGCAGCTAGTCTAAGGGTAGAGGCTGCAGCTAGTCCAAGGCAGAGGCTACAGTTAGTCCA
AGGGCAGAGGCTGTAGCTACTCCAAGAGCAGAGACTGCTGCTAGTGAAGGATAGAAGCTGCAGCTAATC
TCAGGGCAGGAGTTCTACCTGACCAGAGGGCAGAAGCCATAGATAGTCAAGGGCAGAGGGCCAGTTAA
CCAAAGCACTGGTGTACAGAAAATCAGAGGGTGGAGTCTAGCTGACCAGAGGGCAGGGTCTCCAT
GACCAGAGGGAGGAGGCTGGACCTCAAGCTATACTGGAAGCCTCAGCTGATTCGGGATCTAGAGCCCGGA
AACAGGTAAGACAGTGAGGTTCCAGACCCAGGACGCTTCTCCTGGTTTACATGCGCAGGAAAGCTTT
CTGGCACACTCCAGGTTGCCAACCTGCCAAGAGAGGCCCCAGGGCAGGGGCGGGAGAGGCTAGGAGC
CTCAGGGTGTAAAGGCTGACACCAGAGCAGACATGGAACACAGAGAGCAAGAAGAACAGCTG**TAA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001009533

Insert Size: 1956 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_001009533.2](#), [NP_001009533.2](#)

RefSeq Size: 3408 bp

RefSeq ORF: 1956 bp

Locus ID: 494320

UniProt ID: [P62521](#)

Cytogenetics: 1q21

Gene Summary: Core component of the 3M complex, a complex required to regulate microtubule dynamics and genome integrity. It is unclear how the 3M complex regulates microtubules, it could act by controlling the level of a microtubule stabilizer. Required for localization of CUL7 to the centrosome.[UniProtKB/Swiss-Prot Function]