

Product datasheet for **RR201983**

Ccdc8 (NM_001009533) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RR201983 representing NM_001009533
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGCTGCAGATTGGGAGGATGTTGACTATCTGCTCATCCCCGGGAGGTCCGGCTGGTGGGGCGTGT
GGAGAGTCATCTCAAGCCTGCCACTAAGGAGGCTGTGTTTCGGGAGCGGCTGATCCAGTTTCTGCAGGA
GGAGGGCCGCACCCTGGAAGATGTGGCTCGTATCATCGAAAAGAGTACTCCACATCCACCCAGCCCCC
AAAAAAGCCAAGGTGCCAGAGTGAGGAGAGTCCCGCAGATGGTCACTCCTCCACTTCGGCTGGTTGTAG
GCATTTACGACAGCAGCAATGGCAGCGATAGCGAGTTGAGTGACTTCGATACATCCAAAGTCAAAGGCAA
CAGGGGCTCCGGGAAGACCAGGAAGGTGCGCAAAATGCCGGTCAGTACTTGGGCAGCAAATTCCTGGGC
AGCGATGAGAGCGAGGATGATCAGGAGCTGGTAGAGCCCTTCTCCGCCCGGGGAGAAGAAGCCAGCG
CGCTCCTCCACGGCGCCGAGTCAATCTCCAGTGCCTATGTTTGAGAATAACCTGGGGCCCCAGCCATC
CAAGGGGGACAGATGGCGGGAGTATGTAGCCAGGTGTCTGGGGGAAGCTGAAACAGAGGGTGAAGGC
TGGGCGCCAGATCAGGCTCCGAGGTGGGCCAGGCCAGCAGTCTCCATAGCTGAGAGGGCTGGAGAAA
TGAGACACAGCCACACCAGCCCAGACCTGGATGATAGTCCAGAAACACAGGAGACCTGAGCGACCAGAC
ACTGATTAAGTAGACGCTGGAAGCCCAAGATCAAGTGGGTCTCCTTGAGACGATGCAGGAAGGAGCAGGTG
CCACCCTCGGCTCACGGGACAGCTGAAGAGCCCCAGAGGCTGCAGAAAACAGGGAGCAGGGGCTGCAG
CTGAACATGGGGTAGAGGCTGCAGCTAGCCAGAGGCCAGAGGCTGCAGCTAGTCCAAGAGCAGAGGCTGC
AGCTAATCCAAGAGCAGAGGCTACAGCTAATCCAAGAGCAGAGGCTGCAGCTAATCCAAGAGCAGAGGCT
GCAGCTAGTCCAAGAGCAGAGGCTGCAGCTAATCCAAGAGCAGAGGCTGCAGCTAATCCAAGAGCAGAGG
CTACAGCTAATCCAAGAGCAGAGGCTGCAGCTAATCCAAGAGCAGAGGCTGCAGCTAATCCAAGAGCAGAGG
GGCTGCAGTTAATCCAAGAACAGAGGCTGCAGCTAATCCAAGAGCAGAGGCTGCAGTTAATCCAAGAGCA
GAGGCTACAGCTAGTCCAGGGCAGAGGCTGCAGCTAGTCCAAAGGCAGAGGCTGCAGCTAGTCCAAGGG
CAGAGGCTGAAGTTAACCAGAAGACAGAGGCTACAGCTAGTCCAAGGGCAGAGACTGCAGCTAGTCCAAG
GGTAGAGGCTGCAGCTAGTCTAAGGGTAGAGGCTGCAGCTAGTCCAAGGGCAGAGGCTACAGTTAGTCCA
AGGGCAGAGGCTGTAGCTACTCCAAGAGCAGAGACTGCTGCTAGTGAAGGATAGAAGCTGCAGCTAATC
TCAGGGCAGGAGTTCTACCTGACCAGAGGGCAGAAGCCATAGATAGTCAAGGGCAGAGGGCCAGTTAA
CCAAAGCACTGGTGTACAGAAAATCAGAGGGTGGAGTCTAGCTGACCAGAGGGCAGGGGCTCCTCCAT
GACCAGAGGGAGGAGGCTGGACCTCAAGCTATACTGGAAGCCTCAGCTGATTCGGGATCTAGAGCCCGGA
AACAGGTAAGACAGTGAGGTTCCAGACCCAGGACGCTTCTCCTGGTTTACATGCGCAGGAAAGCTTT
CTGGCACACTCCAGGTTGCCAACCTGCCAAGAGAGGCCCCAGGGCAGGGGCGGGAGAGGCTAGGAGC
CTCAGGGTGTAAAGGCTGACACCAGAGCAGACATGGAACACAGAGAGCAAGAAGAACAGCTGCTCAGGG
TGCTAAGGGTGCACACCAGAGCAGACATGGAACACAGAGAGCAAGAAGAACAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR201983 representing NM_001009533
 Red=Cloning site Green=Tags(s)

MLQIGEDVDYLLIPREVLAGGVWRVISKPATKEAVFRERLIQFLQEEGRTELVARIIEKSTPHPPQPP
 KKAKVPRVRRVPQMVTPLRLVVGTYDSSNGSDSEL SDFDTSKVKGNRSGKTRKVRKMPVSYLGSKFLG
 SDESEDDQELVEAFLRRGEKKPSAPPPRRRVNLPVPMFENNLGPQPSKGDWRREYVSQVSWGKLRQVKG
 WAPRSGSEVGAQQSSIAERAGEMRHSHTSPDLDDSSRNTGDLSDQTLITRRWKPKIKWVSLRRCRKEQV
 PPSAHGTAEEPPEAAENQGAGAAAHEGVEAAASQRPEAAASPRAEAAANPRAEATANPRAEAAANPRAEA
 AASPRAEAAANPRAEAAANPRAEATANPRAEAAANPRAEATANPRAEAAVNPRTEAAANPRAEAAVNPR
 EATASPGAEAAASPKAEAAASPRAEAVNQKTEATASPRAEATAASPRVEAAASLRVEAAASPRAEATVSP
 RAEAVATPRAEATAASARIEAAANLRAGVLPDQRAEAIDSQRAEGPVNQSTGATENQRVEVLADQRAGVLH
 DQREEAGPQAILEASADSGSRARKQVKTVRFQTPGRFSWFHMRRKAFWHTPRLPTL PKRGP RAGAGEARS
 LRVLRADTRADMEHREQEEQLLRVLRADTRADMEHREQEEQL

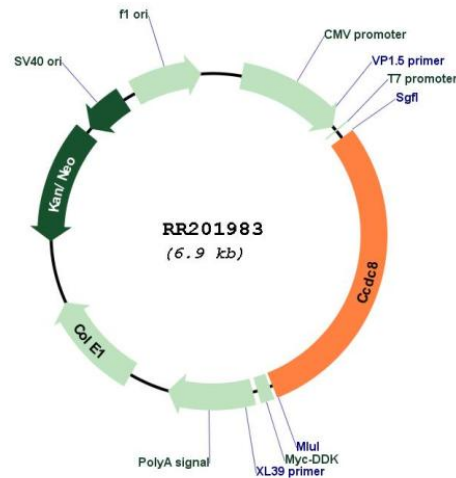
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001009533

ORF Size: 1953 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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 Size: 3408 bp

RefSeq ORF: 1956 bp

Locus ID: 494320

UniProt ID: [P62521](#)

Cytogenetics: 1q21

MW: 70.1 kDa

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]