

Product datasheet for **RC215511**

CCDC81 (NM_021827) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CCDC81 (NM_021827) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CCDC81
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC215511 representing NM_021827
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGC**C

ATGTTGGATACGATCGCCCGTGCCTGCAGGACCTGGGCAGGCAGGTGCTGCCACTCTGCCCTCGCTGA
 GCCAGGAGGAAGTCTCTATTATCTGGGGGAATGTATCAGAATTTGTGAGACGGCAGTTAACCTGCACAA
 GGGGGTTCAGATTCCAGCATTTGGAACCTTCACCTTCATAAGACAAAAGCTTGAGGTGGGAAACAAACAA
 TTTATCTTAATCCAGAGGCTGTGTTTATCATGGTGGAGAAGCTAGTGCAGATTCATGGACTCAAACAA
 ACAAAGGCTGGCACTGTGGACTCGGTGTTGTCTAGCAGAGAGGCTTGAGGAAGTGGCCAGCAGTGT
 GCTTGCCTTCCAAAGATTGAGCTCAAGGAGATGGAAAACAACTGCCTATGGAGACCCTGTAGAAGAA
 TGTGGAGAGAATAGAGAAAGGAAGTGCAAGTTAAAGACCAGTCAGACAAAGAAGAAGGCACCAGAGATA
 TCTCATACCCAAAAGACTTCGAGATAGACAAGCTTTGTTCCCTGCCAAAGTGACAAATGTCAGCTTGCT
 GGGAAAGTTTGAACGAAGTGAGAGTGGTGGGAAGATTATGACCCCTGAAAGCTTATCATATCCAAGTTGT
 CTGAAACACGACAGTGAGATGAAGCCCCAACATCTCCAGCTTGCCAGGATCATAAACAGGCAGGACAGG
 AAATGTGCTATGTATGTTTGCAACGAGCACAACGAAATTCCTGTGTACTACAGTGAGGAAAGGAGGAG
 AGAGATAGAAGATGAGAGACTCATACAGCAGTATCAGATGTTAAAGGATCAGGAGGCTCTCTTCAGACAC
 CAGATGAAAAGTCTGGCTACTAGAGAACAGAATCAGAAAAATGCTGCCTATAATCTTGGAGTTGCTGAAG
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 TCCTGCGCTTAATGCTCTTAAGCAAGAGGAATATCCCGGAGTCTCTGAAACAAATGGATAACAGACAG
 GAAAACGAAATAAAGCAAAGACAATACAGAGAGTTGATGGACCGCTGGAACAAGTGAACACTCACAGAGG
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 GGTAAGAATGAGGTGAACTGATGGTGGAAAAGCAAAAGCGAGAACAAATTACATGAAACACCACTGG
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 GCTTCAGAGGACACAAAGAGAGCACTTGGCAGACAGAACCCTGAGCTGGAGCGAGTAAATAGAGTCAAC
 CAATGCTTACAGGAGGACTGGGAAAGGAGTGTGCGATGAAGAAGCAGCGAGACCTGGAGGACAAGGCTT
 TTGAACGGGCTTCAGACAAGCTGTTTCTCTAGACCAAGTGTGAGAAGTATCGGCGCTGCAAGCAATGCCA
 GAGGCGCACCTCCAACGTGGGCGAGAGCAACCTGTGGCCCTGAACAAGTTCTGCCTGGCTCCCGGTTG
 CTTGTG

ACGCGTACGCGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC215511 representing NM_021827
 Red=Cloning site Green=Tags(s)

MLDTIARALQDLGRQVLPTLPSLSQEEVSIWGNVSEFVRRQLTLHKGVIQIPAFGFTTFIRQKLEVGNK
 FILIQRPVIMVEKLVQIHGLKQNKRPVDSVLSSREALRKWPSSVLAFPRIELKEMENKLPMETLVEE
 CGENRERKCKLKDQSDKEEGTRDISSPKRLRDRQALFPAKVTNVSLLEKFERSES GSKIMTPESLSYPS
 LKHDSEMKPQTSPACQDHNKAGQEMCYVCLQRAQRNSLLYYSEERRREIEDERLIQQYQMLKDQEALFRH
 QMKSLATREQNQNAAYNLGVAEAIRNHKNEKPEFYKSLFDKRPLSPALNALKQEEYSRLLKQMDNRQ
 ENEIKQRQYRELMDRLEQVQLTEELAAQRAKFLKDKMEETQCYKRALDAQIKNKPSPFPFEPDSSEPIF
 GKNEGELMVEKQKREQNYMKHQLEAAANHKKAILHQLVDQRRDLQMLQRTQREHLADRTAELERVNRVN
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 LV

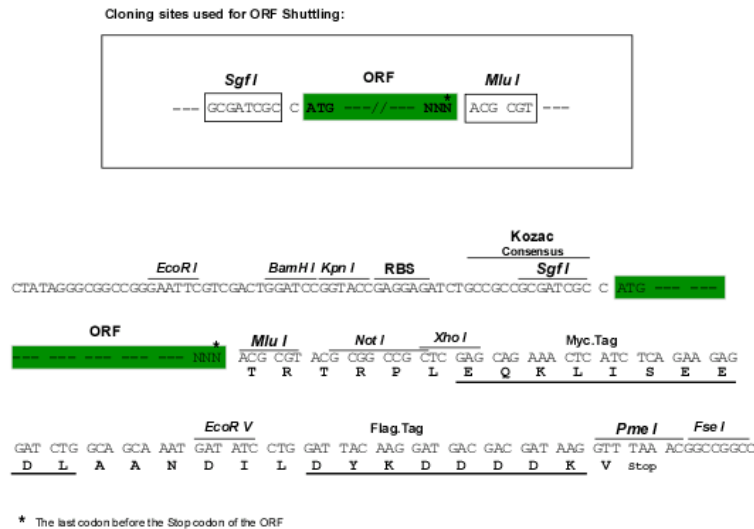
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8028_f09.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:


ACCN: NM_021827

ORF Size: 1686 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_021827.4](#), [NP_068599.3](#)

RefSeq Size: 2513 bp

RefSeq ORF: 1689 bp

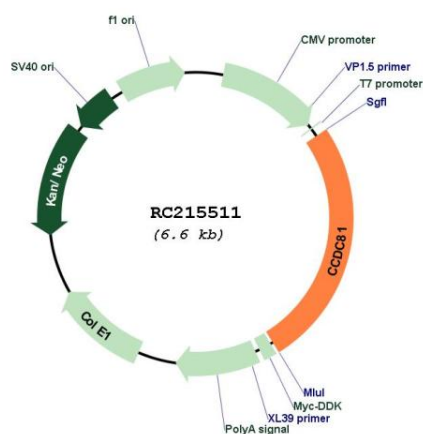
Locus ID: 60494

UniProt ID: [Q6ZN84](#)

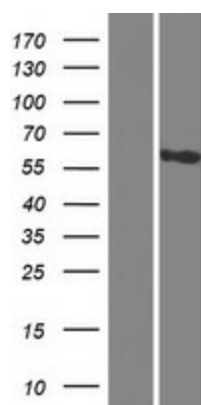
Cytogenetics: 11q14.2

MW: 65.9 kDa

Product images:



Circular map for RC215511



Western blot validation of overexpression lysate (Cat# [LY411909]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC215511 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).