

Product datasheet for **RR212519**

Ccdc7 (NM_001011561) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ccdc7 (NM_001011561) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccdc7
Synonyms:	Biot2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR212519 representing NM_001011561
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGAAGAGAGCAAATCATCTCTCGACCACTAGTAAAGAAGTCAACAGGTGTTCCAGAATTACCTCATAAGA
 AAGGAAAACCTGAATTCATCACATAAGACAAAAGAAAACATAATGCCAAGCCTACATATGAAAAATTGA
 ACCAATGGTCTCAGGTCTCCACCCACAGGAGTCAATTGTACGGTATGCCTTGCCAATACCATCAACT
 ATGACGAAAGACTTAGTATCAGATGCTGAAATGGTCAGGAGGATTGCCAAAAACCTGAAGATGGTTGTTT
 CTTCTTGAAAAACCTATGGAGTTCACAGTGATGATGGAGAAAAAGAAGAAGAAAACCTGAAGAAGA
 AGAAGAAGAAGAGGAAGAAGAAGAAGAAGAATAACGTATCTGTTGGTATGATATGAATTCATTCTTG
 TTGTGCTGTTCACAATTTGCCGCTCAGCTGGAGGAAGCAGTTAAGGAAGAACGTAATATTTAGAGTCTC
 TTTACAAGTGGTTTCAGCAACAAGTCAACCAAATGGAGGAGATAAGTAAAGACCAAAGTAATTTACAAG
 AGATATCCATCAGATAAGTTCGTCAAATTTGGGCATTACACAAATGCGAAGCTTTACATAAATTTGAA
 GAAATTAGAAATCGCCTAAGGGAGCGTAAGGTGTCTGAGAAGTCTAAAGAGCCGAAAAAGAGGTTGTAG
 CTGAACCAACGAAAACCTTATGAACCTATAGAAAAGGAAATTTGAAGAGTTCATAAAATCCCATTAGATAT
 AGAATTTCAAACCTGTTTCTGAACTGAGTCAGGTAACCTCTTCAATGACTAATCGGGTTTCTGTGATG
 ATGAAAATATTTGAAAATCAGACAACTATGTTACAGAAAGCTTTAAATGATCAGACTGAAGCTGAGGCTA
 AATGTAAGTGATGGAACCTAATTACGAAATATTATTATCAGAAAAAACCTGCTGGAAAGTGAAATACA
 ACAGCTGAAGGAAATAGAGAGGTTAAAGTCTACAACAAAGAAGATCGAACCAAGAAAACCTGGAAAATCA
 GAAAAGAAAAAGATAAAGATTCAGAAAGGAAGATATCTCAAATGGAGAAGTTCCTCATTGAGAGAAC
 TGGCTGAAATCCAAGAAGCTGAAAGAAGTAAGTCTCAACTCAACCTTGCCTAAATCAAAGACAGCGGGT
 GCCTAAAGAGGGGAAGAGCAAAACAAAACCTGGACCGGGCTCAAAGTAAATCAAAGGTTAAGGTTGAAGAT
 TCAAAAAGATCCCTACTGAAAGAAGTGCACACAGTCCGCTGGACAGAGGCAGGATCAGGAAGCTGAAA
 GAAGTAAGTCTCAACTCAACCTTGCCTAAATCAAAGACAGCGGTGCCTAAAGAGGGGAAGAGCAAAAC
 AAAACTGGACCGGGCTCAAAGTAAATCAAAGGTTAAGGTTGAAGATTCAAAGATTCCCTACTGAAGAAG
 AGTGACACACAGTCCGCTGGACAGAGGCAGGATCAGACCTCATCTGATCAGAGTAAAAGAGCCAAA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR212519 representing NM_001011561
 Red=Cloning site Green=Tags(s)

MKRANHLSTTSKSTGVPPELPHKKGKLNSSHKTEKHNAKPTYEKIEPMVLRSPPTGESIVRYALPIPST
 MTKDLVSDAEMVRRIAKNLKMOVSSLENTYGVHSDDGEKEEEKPEEEEEEEEEEEEEEEYVSVGDDMNSFL
 LCCSQFAAQLEEA VKEERNILESLYKWFQQVNOQMEEISKDQSNLQRDIPSDKFVKLGITQIAKLLHKFE
 EIRNRLRERKRVSEKSKEPEKEVVAEPTKYELIEKEIEEFIKSHSDIEFQTVSETESGTPSSMTNRVSV
 MKIFENQTTMLQKALNDQTEAEAKCKVMTNYESILLSEKNLLESEIQQLKEIERLKSTTKEDRKTGKS
 EKKKDKDSEKISPNGELHSFEELAEIQEAERSKSQLNLALNQKTAVPKEGKSKTKLDRAQSKSKVKVED
 SKDSLKSKSDTQSAGQRQDQEAERSKSQLNLALNQKTAVPKEGKSKTKLDRAQSKSKVKVEDSKDSLK
 SDTQSAGQRQDQSSDQSKRAK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

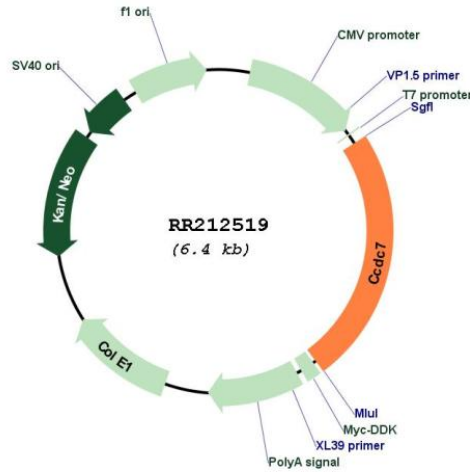
Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

Plasmid Map:



ACCN: NM_001011561

ORF Size: 1536 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: [NM_001011561.1](#), [NP_001011561.1](#)

RefSeq Size: 2093 bp

RefSeq ORF: 1539 bp

Locus ID: 497041

Cytogenetics: 19q12

MW: 58.5 kDa