

## Product datasheet for **RR212446**

### **Ccnt2 (NM\_001107171) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Ccnt2 (NM_001107171) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Ccnt2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR212446 representing NM\_001107171  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGTCGGGCCGTGGAGCTTCTTCTCGTGGTTCTTTACTCGAGAACAGCTGGAGAACACGCCGAGCC  
 GCCGCTGCGGAGTGGAAGCGGATGAAGAGCTGTGCATCGCCAGCAGCGGCCAACCTCATCCAGGACAT  
 GGGCAACGTCTTAATGTCTCTCAGCTTACAATAAACACTGCGATTGTTTATATGCACAGTTTTTATATG  
 CACCATTCTTTCACCAAATTCACAGAAAATAATATCACCTACCGCATTGTTTTTGGTGCAAAAAGTGG  
 AAGAACAGGCTCGAAAGCTTGAACATGTTATCAAAGTAGCACACGCTTGTCTTACCCCTAGAGCCACT  
 GCTGGATACAAAATGTGATGCATATCTTCAGCAGACTCAAGAAGTGGTTTTACTTGAAACCATAATGCTA  
 CAAACTGGGTTTTGAGATCACCATTGAACCCACATACAGATGTGGTGAATGCACCCAGTTAGTAA  
 GAGCAAGCAAGGATTTGGCACAGACATCCTATTTTCATGGCTACCAACAGTTTGCATCTTACGACCTCTG  
 TCTTCAGTACAAACCCACAGTATAGCATGTGTATGCATTCATTTGGCTTGCAAAATGGTCCAATTTGGGAG  
 ATTCTGTGTCAACGGATGGAAAGCACTGGTGGGAGTATGTGGACCCTACAGTTACCTAGAGCTGCTAG  
 ATGAGCTAACACATGAGTTTCTACAAAATTTGGAGAAAACGCCTAGTAGGTTGAAGAGGATTCGAAACTG  
 GAGGGCTATGGCTAAGAAACCAAAGTTCGATGGACAAGTATCAGAGACACCACTGCTTGGTTCTTCTTTG  
 GTCCAGAAATCCATTTTAGTAGACAGTGTCACTGGTGTGCCTGCCAACCAAGCTTTAGAAAGCCATCAA  
 CGTCAACGTTCCCTGCTCCACTACCTCTAACTTCAGGAAGTACTTCTGTTCAAGATGGCCGTGCATCTGA  
 TACTGGATCAGTGTCCAGGGATGCCTAGTTCCTCATACTGTGTATCACACCAAGAGTGGCCCTCAC  
 CATCCAGACTCAGCCAGGACAGACCCGGTATACACACAGAAGCAGGAGGCCACTCTCTGGGAGCCAGT  
 ACCTAAGCTTCCAGCAGGGACCTTCAATGGCACTGCATTCCGGATTACATCACAGGCCGGACAAAAGTTGC  
 TGATCATTTCGTCAGCTAAGCAAGAATATACTCACAAAGGTGGGAGCAGCAACACCATGGCCCCATACCT  
 GCTACTCTGGAGTGGTTCTCAGAAAATGTCTTTAGATAAGTACAGAGAGAAGCGGAAGCTGGAACCC  
 TTGACCTGGACTCGAGGGATCACTATATGGCTGCCATGCAGAGCAGCAGCAAAAATGGGCCAGCTCA  
 GGCAGTCGCAGGCACTTCTGTCACTTCTCCATCAAAAATGAAGCTTCCCCTCACCAACTCCGACAAGCT  
 GAGAAACACTTGGCAGAGAAAAGGGAGAGGAGTGGATCACTGAAGCTGCGGATCCCCATCCCACCGCCTG  
 ATAAAGGTCCCAGCAAGGAGGAGCTGAAGATGAAAATCAAAGTGTGTCCTCTGAGAGACACAGCTCTTC  
 TGATGAAGGCAGTGGGAAGAGCAAGCACTCGAGCCCACACATCAGCAGAGACCACAAGGAAAAGCACAAG  
 GAGCACCCGCCAACCGCCACCACAGCAGCCACAAGCATTTCACATGCACAGCAGCGGAGGCAGCAAGC  
 ATGCTGACGGCATGCCACCCACTGTGCTGAGGAGTCTGTGGCCCTGGGCCCTGAAGGCATCTCCTCCGG  
 CCCCAGTGAAGGAAGAAGCTGCATATCAACGATGCCTCCCAACCACCACTCCAAAATGAGCAAAAAGT  
 TCCAAAAGTTCAGGTAGTTCATCTAGTTCTTCTCTGTTAAGCAGTATCTATCCTCTCACAGCTCTGTTT  
 TTAACCATCCCTTACCCCTCCTCCCCCTGTACATACCAGGTGGGCTACGGACATCTCAGCACCCTCGT  
 GAAACTGGACAAGAAACAGTGGAGCCCCACGGTCTGAGGCCAATCACGAGTACAGTACAAGCAGCCAG  
 CATATGGACTACAAAGACACATTCGACATGCTGGACTCGCTGCTAAGTGCCCAAGGAATGAATATG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR212446 representing NM\_001107171  
 Red=Cloning site Green=Tags(s)

MASGRGASSRWFFTREQLENTPSRRCGVEADEELSHRQQAANLIQDMGQRLNVSQTLINTAIVYMHRFYM  
 HHSFTKFNRNII SPTALFLAAKVEEQARKLEHVIKVAHACLHPLEPLLDTKCDAYLQQTQELVLLLETIML  
 QTLGFEITIEHPHTDVVKCTQLVRASKDLAQTSYFMATNSLHLTTFCLQYKPTVIACVCIHLACKWSNWE  
 IPVSTDGKHWWEYVDPTVTLELLDELTHEFLQILEKTPSRLKRIRNWRAMAKPKVDGQVSETPLLGS  
 VQNSILVDSVTGVPANPSFQKPSTSTFPAPLPLTSGSTSVQDGRASDTGSVLAGMPSSSYTVSSHQEWPH  
 HPDSARTDPVYTQKQEATLSGSQYLSFQQGPSMALHSGLHHRPDKVADHSSAKQEYTHKGGSSKHHGPI  
 ATPGVVPQKMSLDKYREKRKLETLDLDSRDHYMAAHAEQQHKHGPAQAVAGTSVTSPIKMKLPLTNSDKP  
 EKHLAEKRERSGSLKLRIPPPDPKGPSKEELKMKIKVSSSERHSSSDEGSGKSKHSSPHISRDKHEKHK  
 EHPANRHHSSHKHLHMSSGGSKHADGMPPTVLRSPVGLGPEGISGSPSARKKLHINDASHNHHKMSKS  
 SKSSGSSSSSSSVKQYLSHSSVFNHPLPPPPVTVQVGYGHLSTLVKLDKKPVEPHGPEANHEYSTSSQ  
 HMDYKDTFDMLSLLSAQGMNM

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001107171

**ORF Size:** 2166 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\\_001107171.1](#), [NP\\_001100641.1](#)

**RefSeq Size:** 5652 bp

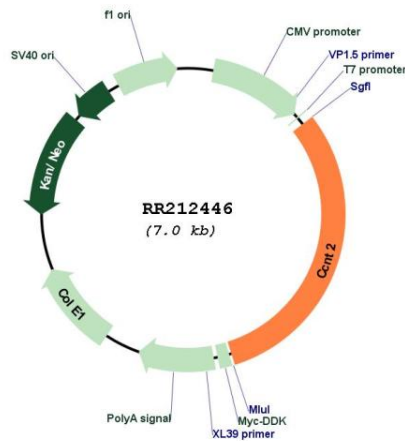
**RefSeq ORF:** 2169 bp

**Locus ID:** 304758

**Cytogenetics:** 13q13

**MW:** 80 kDa

**Product images:**



Circular map for RR212446