

## Product datasheet for **RR203994**

### **Cnot3 (NM\_001107471) Rat Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Cnot3 (NM_001107471) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>RR203994 representing NM\_001107471  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGCGGACAAGCGCAAACCTCCAAGGTGAGATTGATCGCTGCCTCAAGAAGGTGTCCGAAGGTGTGGAGC  
 AGTTTGAAGATATTTGGCAAAAGCTCCACAATGCAGCCAACGCGAACAGAAAGAAAAGTATGAGGCTGA  
 CCTAAAGAAGGAGATTAAGAAGCTACAACGGCTGAGGGACCAGATCAAGACATGGGTAGCATCCAATGAG  
 ATCAAGGACAAAAGGCGAGCTTATCGAAAACCGCAAGCTCATTGAAACGCAAATGGAACGGTTCAAAGTTG  
 TGGAACGAGAGACAAAACCAAAGCCTATAGCAAGGAGGGTCTCGGTCTGGCTCAGAAGGTGGACCTGC  
 CCAGAAGGAGAAGGAAGAGGTTGGCCAGTGGCTCACGAACACCATTGACACCTTAAATATGCAGGTGGAC  
 CAGTTTGAGAGTGAGGTGGAGTCACTGTCAGTACAGACGCGCAAGAAGAAAGGCGATAAGGATAAGCAGG  
 ACCGGATTGAGGGCTTGAAGCGGCACATCGAGAAGCACCGCTACCATGTACGTATGCTGGAGACCATCCT  
 GCGCATGCTGGACAATGACTCCATCCTGGTTGATGCCATCCGCAAGATCAAGGATGATGTAGAGTACTAC  
 GTTGACTCATCCCAGGACCCCGACTTTGAAGAGAATGAGTTCTCTATGACGACCTGGACCTCGAGGACA  
 TTCCACAGGCGCTGGTCGCCACCTCCCCCCCAGCCACAGCCACATGGAGGACGAGATCTTCAACCAGTC  
 TAGCAGTACACCCACCTCAACAACCTCCAGCTCTCCCATCCCACCCAGCCAGCTAACTGCACTACGGAA  
 AACTCTGAAGATGATAAGAAGAGAGGGCCGCTCTACAGATAGTGAAGTCAGCCAGTCTCCAGCCAAAAATG  
 GCTCCAAGCCTGTCCACAGCAACCCAGCACCCCGCTCCAGCTGTGCCGCCACCTACCCCTCTGGCCC  
 CCCACCTGCCACTTCTGCCTTGAAGTCCACCCCTGGCAACAATGGGGCCTCTACCCAGCAGCACCTCCA  
 AGTGCCCTGGGCCCTAAGGCCAGTCCAGCTCCAGCCACAACCTGGGTACTCTGCCCCCTATGCCCAGG  
 CTGTGGCCCCACCAATGCCAGCGGGCCAGCAATGCCAGCCCGGCCCCAGTCCAGCCCAAGCGG  
 GGAAGTGGTGGTGGCAGCGGAGGGAGCAGCAATAGTAACAGTGGCACAGGCGGAGGGGCTGGCAAG  
 CAGAACGGTGCCACCAGCTATAGTTCGGTTGTGGCAGACAGCCCTGCAGAGGTGGCCCTGAGTAGCAGTG  
 GGGCAGCAGTGCCAGCAGCCAAGCCCTGGGGCCACATCGGGCCCTATAACCCAGCTCCAGCACCTT  
 AAAGGAATCCAGTACAGCAGCCCATCCGGGGCTGGGAGTGTGGCTTCCAGGCTCAGGGAACAACCTCAGGG  
 GGACCCAGCCTCTTGGTGCCACTGCCTGTAATCCCCCAGTTCTCCAACGCCAGCTTCAGTGAAGCCA  
 AGGCAGCTGGCACTCTTCTTAATGGTCCCCACAGTTTAGCACCACCCAGAAATCAAGGCCCTGAACC  
 TCTGAGCTCTCTGAAATCCATGGCAGAACGGGCAGCTATCAGCTCTGGTATTGAGGACCTGTGCCAACG  
 TTACACCTAACTGATAGAGACATCATCCTGAGCAGCACATCAGCACCACCCACCTCATCCCAGCCACCC  
 TGCAGCTATCAGAGGTGAACATACCATTGTCAGTGGGCGTCTGTCCATTGGGGCCAGTGTCCCTACCAA  
 GGAGCAGCTATACCAACAGGCCATGGAAGAGGCCGCTGGCACCACATGCCCCACCCCTCTGACTCCGAG  
 CGCATTGGCAGTACCTTCCCCGGAACCCCTGGCCGACACCCCTTACCACCACCCAGATGCCACCCCGC  
 ACTCGGACACTGTGGAGTTCTACCAGCGCTGTCAACTGAGACGCTCTTCTTCACTTCTACTATCTGGA  
 GGAACCAAGGCACAGTACTTGGCAGCCAAGGCCCTAAAGAAGCAGTCTGGCGATTCCACACCAAGTAT  
 ATGATGTGGTTTCAGAGGCATGAGGAGCCCAAGACCATCACAGATGAGTTTGAGCAGGGCACCTACATCT  
 ACTTTGACTACGAGAAGTGGGGCCAGCGGAAGAAGGAAGGCTTACCTTTGAGTATCGCTACCTGGAGGA  
 CCGGGACCTCCAG

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:** >RR203994 representing NM\_001107471  
 Red=Cloning site Green=Tags(s)

MADKRKLQGEIDRCLKKVSQVEQFEDIWQKLHNAANANQKEKEYEADLKEIKKLQRLRDQIKTWVASNE  
 IKDKRQLIENRKL IETQMERFKVVERETKTKAYSKEGLGLAQKVDPAQKEKEEVGQWLTNTIDTLNMQVD  
 QFESEVESLSVQTRKKKGDKDKQDRIEGLKRHIEKHRYHVRMLETILRMLDNDLSILVDAIRKIKDDVEYY  
 VDSSQDPDFEENEFLYDDL DLEDIPQALVATSPPSHSHMEDEIFNQSSSTPTSTTSSSPIPPSPANCTTE  
 NSEDDKKRGRSTDSEVSQSPAKNGSKPVHSNQHPQSPAVPPTYPSGPPATSA LSSTPGNNGASTPAAPP  
 SALGPKASPAPSHNSGTPAPYAQAVAPPNASGPNASQPRPPSAQPSGGSGGGSSNSNSGTGGGAGK  
 QNGATSYSSVVADSPAVALSSSGSSASSQALGPTSGPHNPAPSTLKESSAAPSGAGSVASGSGNNSG  
 GPSLLVPLPVNPPSSPTPSFSEAKAAGTLLNGPPQFSTTPEIKAPELSSLKMAERAAISSGIEDPVPT  
 LHLTDRDIILSSTSAPPTSSQPPLQLSEVNIPLSLGVCPLGPVSLTKEQLYQQAMEEAAWHHMPHSDSE  
 RIRQYLPRNPCPTPPYHHQMPPHSDTVEFYQRLSTETLFFIFYYLEGTKAQYLAALKKKQSWRFHTKY  
 MMWFQRHEEPKITIDFEQGTIYFDYKWKQQRKKEGFTFEYRYLEDRLDQ

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



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

**ACCN:** NM\_001107471

**ORF Size:** 2253 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\\_001107471.2](#), [NP\\_001100941.2](#)

**RefSeq Size:** 2869 bp

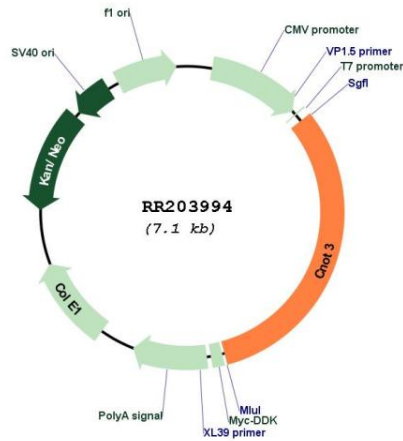
**RefSeq ORF:** 2256 bp

**Locus ID:** 308311

**Cytogenetics:** 1q12

**MW:** 81.9 kDa

**Product images:**



Circular map for RR203994