

Product datasheet for **RR215681**

Cnot4 (NM_001037782) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cnot4 (NM_001037782) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cnot4
Synonyms:	MGC114505
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR215681 representing NM_001037782
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCTCGCAGTCTGATGCAAAGGAAGACCCTGTGGAATGCCCTCTTTCATGGAGCCCTTGGAAATAG
ACGATATTAACTTTTCCCTTGACCTGTGGCTACCAGATTTGCCGATTTTGTGGCATCGAATCCGCAC
TGATGAGAATGGGCTTTGTCTGATGTAGAAAGCCATATCCAGAAGACCCAGCAGTTTATAAACCACTT
TCCCAGGAAGAATTGCAAAGGATAAAGAATGAGAAAAACAGAAACAAAATGAGAGAAAACAGAAAATCT
CAGAAAATCGAAAACATTTGGCTAGTGTACGTGTTGTACAAAAAACCTTGTATTTGTCGTAGGTCTGTC
ACAGCGCTAGCAGACCCAGAAGTTTTAAAACGACCAGAGTATTTGGGAAGTTTGGTAAAAACATAAA
GTTGTCATCAATAATAGCACATCATATGCAGGCTCACAGGGTCCGAGTCCAGTGCCTTATGTAACCTATA
TCCGGTCAGAAGATGCTCTCAGAGCAATACAGTGTGTCAACAATGGTGGTAGATGGCAGGACACTAAA
GGCATCCTTAGGCACAACAAAGTACTGCAGCTACTTCTGAAGAACATGCAGTGCCCGAAGCCCGACTGC
ATGTATCTGCACGAAGTGGGGATGAGGACGCCAGCTTACCAAGGAGGAAATGCAGGCGGGTAAGCACC
AAGAGTATGAACAGAAGCTCCTCCAAGAATTATATAAAATTAATCCCAATTTTCTTCAGTTATCTACGGG
TTCAGTTGATAAGAATAAGAACAAAGTGACACCATTACAAAGCCCATGACAAACCTTCAGATTCTCTC
AGTATAGGGAATGGTGATAATCCCAACAGATATCTAACAGTGATACGCCTTCACCACCCTGGTTTAT
CAAAATCCAATCTGTATCCCCATCAGTTCATCCAATCACAGTGCAAGGTCTCCTTTTGAAGGGGAGT
AACAGAGTCACAGTCATTATTCTCAGACAATTTCCGCCACCCCAACCCTATACCAAGTGGGCTTCTCCT
TTTCCCAGCTCTCCACAGACACCCAGTATTGGCTACCGCTCCAGAACCACAGAGCCTTTCACATCAG
AAACAATCCCAGTATCATCATCTACAGACTGGCAAGCAGCATTTGGCTTTGGTTCTTAAACAGCCAGA
GGATGACTTGGGTTTGATCCCTTCGATGTTACTCGAAAAGCCTTAGCAGACCTGATTGAGAAGGAACTA
TCCGTCCAAGATCAACCTTCCCTTTCTTCCACGTCTTTCAGAACTCCTCCTCACACACTACAAGCGCCA
AAGGTCCAGGCTCTGGATTCTGCACCTGCTGCACCTGCCAATGCCAATCTCTTAATAGTACCTTTTC
AGTCTTGCCACAGAGTTCCCTCAGTTTCAGCAGCACCAGCAGTTTATAAATTCGTTTCGTTTTCCAGGC
CAGGCAGCCCGCTATCCTTGGATGGCTTTCCACGCAATAGCATCATGCCTTGAACCACACAGCAAACC
CCACCTCAAATAGTAATTTCTTGGACTTGAATCTCCCGCCACAGCACAACACAGGTCTGGGAGGGATCCC
CATAGCAGACAACAACAGTTCTGTAGAGAGTTAAATATGAAGGAATGGCAGGACGGGCTAAGGGCACTT
CTACCCAACATTAACATCACTTTGGTGGACTGCCCAATCTTCTTCCCCTCCAAGCCCAACCACAGTG
CACCAACGTCCAACACTGCCACCACGGACAGCGTGAGTTGGGACAGCCCTGGCAGCTGGACAGACCAGC
CATCATCACAGGTATTCCAGCCTTTCAGGAAACACTTTAGACTCTATTCAAGACGACAATCCTCCACAC
TGGCTAAAATCCCTTCAGGCCCTCACAGAGGTGGACGGCCCGCAGCGCTGCCTCGCCACAGCCCCACCACA
GCGCCCCCTTCAGCACACAGATCCCTCTGCACAGAGCCAGTTGGAACCCCTACCCACCTCCTTAAATCC
TTCCAGCTTCCACTCCCCACCCCGAGCTTCCAGACAGCCTTCCAGACCCCGCAGAAAACCCCGACAGAC
CTGCTACAGAGTTCAACACTGGACCGCCAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR215681 representing NM_001037782
Red=Cloning site Green=Tags(s)

MSRSPDAKEDPVECPLCMEPLEIDDINFFPCTCGYQICRFCWHIRTDENGLCPACRKPYPEDPAVYKPL
 SQEELQRIKNEKKQKQNERKQKISENRKHLASVRVVQKNL V FVVLGSQLADPEVLKRPEYFGKFGKIHK
 VVINNSTSYAGSQGPSASAYVTYIRSEDALRAIQCVNNVVVDGRTLKASLGTTKYCSYFLKNMQCPKPC
 MYLHELGDDEAASFKEEMQAGKHQEYEQKLLQELYKLNPNFLQLSTGSDKNKKNVTPLQSPIDKPSDSL
 SIGNGDNSQQISNSDTPSPPPGLSKSNPVIPISSNHSARSPFEGAVTESQSLFSDNFRHPNPIPSGLPP
 FPSSPQTPSDWPTAPEPQSLFTSETIPVSSSTDWQAAFQFGSSKQPEDDLGDFDPDVTRKALADLIEKEL
 SVQDQPSLSSTSLQNSSHTTSKAGPGSGFLHPAAPANANSLNSTFSVLPQRFPPQFQHRAYNSFGFPG
 QAARYPWMAFPRNSIMHLNHTANPTSNSNFLDLNLPQHNTGLGGIPIADNNSVSESLNMKEWQDGLRAL
 LPNININFGGLPNSSSPSNANHSAPTSNTATTDSVSWDSPGSWTDPAAITGIPASSGNTLDSIQDDNPPH
 WLKSLQALTEVDGSPAASQPPHSAPFSTQIPLHRASWNPYPPSPNSSFHSPPPGFQTAFRPPSKTPTD
 LLQSSTLDRH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_001037782

ORF Size: 2130 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_001037782.1](#), [NP_001032871.1](#)

RefSeq Size: 3502 bp

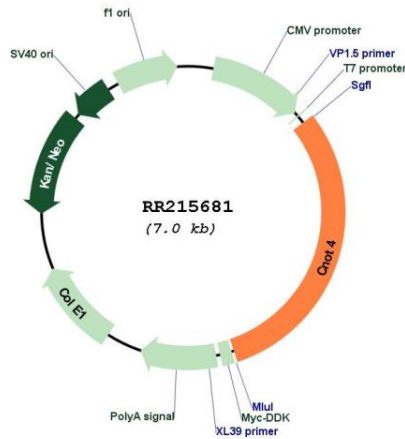
RefSeq ORF: 2133 bp

Locus ID: 312227

Cytogenetics: 4q22

MW: 77.8 kDa

Product images:



Circular map for RR215681