

## Product datasheet for **MR209960**

### Clcnkb (BC019983) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clcnkb (BC019983) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clcnkb
Synonyms:	Clc-Ka, CLCKB
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



[View online »](#)

ORF Nucleotide  
Sequence:

>MR209960 representing BC019983  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCCGCGATCGCC

ATGGAGGAATTAGTGGGGCTTCGTGAGGGCGCCTCCAAGAAGCCAGTGCCACTGCAAGAACTCTGGGGC  
 CATGCCACGTATCCGCAGAAACATCCAGGGGGCCTAGAGTGGCTGAAAGAGCGGCTCTCCGTGTGGG  
 TGAGGACTGTTACTTCTGGTGGCTCTCGGGTGTCTATGGCTCTAATCAGCTATGCTATGAACTTCACT  
 ATGGGGCGGTGGTCAGAGCACACAAGTGGCTGTACAGGGAGATTGGAGACGGCCACTTGTCTGTACC  
 TCTCTGGACCGTGTACCCCGTGGCTTCTGTCTTCTCCTCCGGCTTCTCACAGAGCATTACGCCATC  
 CTCTGGAGGGTCTGGAATCCCTGAGGTGAAGACCATCTTGACCGGAGTGGTCTGGAGGACTACCTAGAC  
 ATCAAGAACTTTGGGGCAAGGTGGTGGCCTCTCCTGCACCCTGGCCACAGGCAGTACCATCTTCTGG  
 GAAAATGGGCCCTTCTGTGCACCTGAGCGTGATGATCGTCTTACCTGGGCCGCTGCGCACCAAGAC  
 CGTCGGGGAACCTGAGAGCAAGACCAAAGAAATGGAAGTGTGGCCGAGGAGCAGCAGTGGGTGTGGCC  
 ACGGTCTTCGCAGCTCCCATCAGCGGTGTCTGTTCAGCATCGAGGTCTGTCTCTCACTTCTCCGTCT  
 GGGATTACTGGAGGGCTTCTTCGTGCCACCTGTGGGGCCTTTATGTTCCACCTCTGGCGGTCTTCAA  
 CAATGAACAGGAGACCATCACCTCCATCTACAAGACCAGCTTCCAGTGGACATACCCTTGGACTTACCA  
 GAGATCTTCTTTTTGTGGCCCTGGGGCCATCTGTGGCATCCTGAGCTGCGGGTACAACACAGCCAGC  
 GGACTTTCTTATTTTCTCAAGGCAATGGGTTCACCTCCAACTGTGGCTACCAGCAAACCTTGTGTA  
 CTCAGCCCTGGTGTGTGGTCTGGCTCCATCACGTATCCCTGGTGTGGGCCACTTTCATGGCTTCC  
 CGGCTGTCCATGTCCGAGCATTGGAGACTGTTTGAACAACCTCTGGGACTGATGACTAAGAAGT  
 CGTCTCCACCCTGGGACGCGGAGCCTGATCCCCAGAAGCTGTGGTGGAGTGGTGTACCCACAGTTGAC  
 TGTCTTTGGGACACTAGTCTTCTCCTGGTCAAGTTCAGTGGTGTGATTTTGGCAACCACCATCCCC  
 ATCCCTGTGGTACTTCTTCCCATCTTGTCTATGGAGCTGTATTGGGCGCCTTTTGGGGAGGTTT  
 TATCTGTGCCTTCCCAGAGGGCATTGTGGCTGGAGGCAGGGTCAATCCCATCATGCCGGGGCCTATGC  
 TCTGGCAGGTGTCTGCCTTCTCGGGGGCGGTGACCCACACCCTCTCCACGGCACTGTGGCCTTGGAG  
 GTAACGGGCCAGCTCGTTCACGCACTGCCTGTGTGATGGCTGTGCTGGCGGCAACGCCATCTCTCAGA  
 GCTTCCAGCCCTTTTCTACGATGGCACCATTGTCAAGAACTGCCGTACCTGCCTTGGATCCGTGG  
 CCGACAGATTGGTCCCCTCTGTAAGTGTGGTCACTTCACTGCACTGCACCCTCACTACACTGGCCAAG  
 GACATGCCCTGGAGCAAGTATCAAGTCAATGATCTCCACAGATGTGACCCAGTACCCCTGGTGGAGA  
 CTACAGAGTCTCAGACCCTGGTGGCGTGTAAAAGGACCCACTTGGTGAAGCCCTCCAGACTGAGCC  
 AGTTCCTGGGCTCCAGGCCAGCAGCCCTATCTCCAGGATATCTTGGCTAATGGTGCACCACCCAGCCA  
 GTGACACTGCAGCTGTCCCGGAGACCTCCTTGCATGAGACACACAACCTTTTGGAGTGTGAACTTCC  
 AGACGCTGTTCTGTGACGTACGAGGCAGAGCTGTGGGCTTTGTATCGTGGTGGAGGACTGGGGTCT

ACGCGTACGCGGGCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR209960 representing BC019983  
 Red=Cloning site Green=Tags(s)

MEELVGLREGASKKPVPLQELWGPCPRIRRNIQGGLEWLKERLFRVGEDWYFLVALGVLMLISYAMNFT  
 IGRVVRRAHKWLYREIGDGHLLLYLSWTVYPVALLSFSSGFSQSIPTSSGGSGIPEVKTILTGVVLEDYLD  
 IKNFgakVVGLSCTLATGSTIFLGLKLPFVHLSVMIAAYLGRVRTKTVEPEPKTEMELLAAGAAVGVA  
 TVFAAPIISGVLFSIEVMSSHFSVWDYWRGFFAATCGAFMFHLLAVFNNEQETITSYKTSFVPDIPFDLP  
 EIFFFVALGAICGILSCGYNYSQRTFLFLKANGFTSKLLATSKPLYSALAAVVLASITYPPGVGHFMS  
 RLSMSEHLETLFDNNSWALMTKNSSPPWAAEPDQKLWLEWCHPQLTVFGTLVFFLVMKFWMLILATTIP  
 IPAGYFLPIFVYGAVIGRLFGEVLSVAFPEGIVAGGRVNPIMPAYALAGAAAFSGAVTHTLSTALLAFE  
 VTGQLVHALPVLMAVLAANAISQSFQPSFYDGTIIVKKLPYLPWIRGRQIGSHSVTVGHFMNCTLTTLAK  
 DMPLEQVIQVMISTDVTQYPLVETTESQTLVGVVKRTHLVQALQTEPASWAPGQQPYLQDILANGCPTQP  
 VTLQLSPETSLHETHNLFELNLQTLFVTSRGRAVGFVSWVEVLGS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

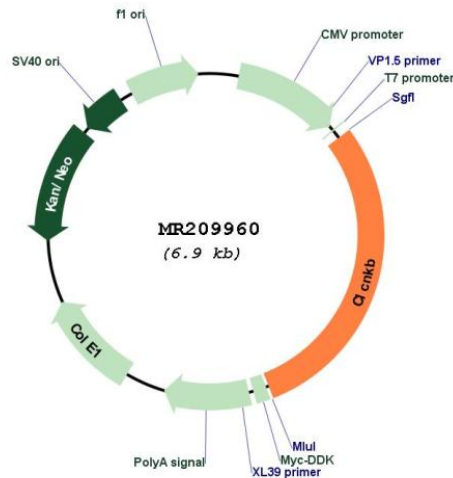
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: BC019983

ORF Size: 2028 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: [BC019983.1](#)

RefSeq Size: 2534 bp

RefSeq ORF: 2030 bp

Locus ID: 56365

Cytogenetics: 4 D3

MW: 92.8 kDa

**Gene Summary:** This gene is a member of the CLC family of voltage-gated chloride channels. The gene is located adjacent to a highly similar chloride channel gene on chromosome 4. This gene is syntenic with human CLCNKA (geneID:1187). [provided by RefSeq, Sep 2009]