

Product datasheet for **MC220507**

Clcnkb (NM_019701) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcnkb (NM_019701) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clcnkb
Synonyms:	Clc-Ka; Clck2; CLCKB; Clcnk11
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC220507 representing NM_019701
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGAATTAGTGGGGCTTCGTGAGGGCGCCTCCAAGAAGCCAGTGCCACTGCAAGAAGCTCTGGGGC
 CATGCCACGCATCCGCAGAAACATCCAGGGGGCCTAGAGTGGCTGAAAGAGCGGCTCTCCGTGTGGG
 TGAGGACTGGTACTTCTGGTGGCTCTCGGGTGTCTATGGCTCTGATCAGCTATGCTATGAACTTCACT
 ATTGGGCGGTGGTACAGACACACAAGTGGCTGTACAGGGAGATTGGAGATGGCCACCTGCTCCGGTACC
 TCTCTGGACCGTGTACCCCGTGGCTTCTGTCTTCTCCTCCGGCTTCTCACAGAGCATCACACCATC
 CTCTGGAGGGTCTGGAATCCCTGAGGTGAAGACCATCTTGACCGGAGTGGTCTGGAGGACTACCTAGAC
 ATCAAGAAGCTTCGGGGCAAGGTGGTGGCCTCTCCTGCACCCTGGCCACAGGCAGTACCATCTTCTGG
 GAAAATTGGTCCCTTCGTGCACCTGAGCGTGATGATCGTCTTACCTGGGCGCGTGGCACCAGAAC
 CGTCGGGGAACCTGAGAGCAAGACCAAGAAATGGAAGTGTGGCCGAGGAGCAGCAGTGGGTGTGGCC
 ACGGTCTTCGCAGCTCCCATCAGCGGTGTCTGTTCAGCATCGAGGTGATGCTCTCCTCTCACTTCTCCGTCT
 GGGATTACTGGAGGGCTTCTTCGCTGCCACCTGTGGGGCCTTTATGTTCCACCTCTGGCAGTCTTCAA
 CAATGAACAGGAGACCATCACCTCCATCTACAAGACCAGCTTCCAGTGGACATACCCTTTGACTTACCA
 GAGATCTTCTTTTTGTGGCCCTGGGGCCATCTGTGGCATCCTGAGCTGCGGGTACAACACAGCCAGC
 GGACTTTCTTATTTTCTCAAGGCAATGGGTTCACCTCCAACTGTGGCTACCAGCAAACCTTGTGTA
 CTCAGCCCTGGTGTGTGGTCTGGCTCCATCACGTATCCCTGGTGTGGGCCACTTTCATGGCTTCC
 CGGCTGCCATGTGGAGCATTGGAGACTGTTTGAACAACCTCTGGGCACTGATGACTAAGAAGT
 CGTCTCCACCTGGGAGCGGAGCCTGATCCCCAGAAGCTGTGGTGGAGTGGTGCACCCACAGTTGAC
 TGTCTTTGGGACACTAGTCTTCTTCCTGGTCAAGATTCTGGATGCTGATTTTGGCAACCACCATCCCC
 ATCCCTGTGGTACTTCTTCCCATCTTATCTATGGAGCTGTATTGGGCGCCTTTTGGGGAGGTTT
 TATCTGTGCGCTTCCAGAGGGCATTGTGGCTGGAGGCAGGGTCAATCCCATCATGCCGGGGCCTATGC
 TCTGGCAGGTGCTGCTGCTTCTCAGGGCGGTGACCCACACCCTCTCCACGGCACTGCTGGCCTTGGAG
 GTAACGGGCCAGCTCGTTCACGCACTGCCTGTGCTGATGGCTGTGCTGGCGGCAACGCCATCTCTCAGA
 GCTTCCAGCCCTTTTCTACGATGGCACCATTGTCAAGAACTGCCGTACCTGCCGTGGATCCGTGG
 CCGACAGATTGGTCCCCTCTGTAAGTGGTCACTTCAAGTGGTCACTGACCCAGTACCCCTGGTGGAGA
 GACATGCCCTGGAGCAAGTATCAAGTGGTCACTTCCACAGATGTGACCCAGTACCCCTGGTGGAGA
 CTACAGAGTCTCAGACCCTGGTGGCGTGTAAAAGGACCCACTTGGTGAAGCCCTCCAGACTGAGCC
 AGCTTCTGGGCTCCAGGCCAGCAGCCCTGTCTCCAGGATATCTTGGCTAATGGTGGCCACCCAGCCA
 GTGACACTGCAGCTGTCCCTGGAGACCTCCTTGCATGAGACACACAACCTTTTTGAGCTGCTGAACCTTC
 AGACGCTGTTCTGTGACGTACGAGGCAGAGCTGTGGGCTCTGTATCGTGGGTGGAGCTGAAGAAAGCAAT
 TTCAACCTGACCAATCTCTGCCCAAGTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_019701
- Insert Size:** 2064 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- 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_019701.2](#), [NP_062675.2](#)

RefSeq Size: 2344 bp

RefSeq ORF: 2064 bp

Locus ID: 56365

UniProt ID: [Q9WUB6](#)

Cytogenetics: 4 D3

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]