

Product datasheet for **RN213198**

Clcnkb (NM_173103) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcnkb (NM_173103) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Clcnkb
Synonyms:	CIC-K2L; Clck2; Clcnk1l
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >RN213198 representing NM_173103
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGAAATAGTGGGGCTTCGAGAGGGCTCGCCAGGAAGCCAGTGCCTCTGCAAGAACTCTGGAGGC
 CGTGCCACGAATCCGCAGAAACATCCAGGGGAGCCTAGAGTGGCTGAAAGAGCGGCTGTTCCGTGTGGG
 TGAGGACTGGTACTTCTGGTGGCTCTCGGGTGTCTATGGCTCTGATCAGCTATGCCATGAACTTTGCT
 ATTGGACGTGTGGTCAGAGCGCATAAGTGGCTGTACAGGGAGATTGGGGACGGCCACCTGCTCCGGTACC
 TCTCTGGACCGTGTACCCCGTGGCTTCTGTCTTCTCCTCCGGCTTCTCACAGAGCATCACACCATC
 CTCTGGAGGGTCTGGGATCCCGAGGTGAAAACCATCTTGACAGGTGTGATCCTGGAGGACTACCTAGAC
 ATTAAGAAGTTCGGGGCAAGGTGGTGGCCTCTCCTGCACCCTGGCAACAGGCAGTACCATCTTCTGG
 GAAAATGGGCCCTTTGTGCACCTGAGCGTGATGATCGCTGCTTACCTGGGCCGCTGCCACCAAGAC
 CGTCGGGGAACCTGAGAACAAGACCAAAGAAATGGAATTGTTGGTGCAGGAGCAGCAGTGGGTGTGGCC
 ACGGCTTCGCCCCCAATCAGTGGTGTCTGTTTCAGCATCGAGGTGATGTCCTCTCACTTCTCCGTCT
 GGGATTACTGGAGGGCTTCTTCGCTGCCACCTGCGGGGCTTTCATGTTTCACTCCTGGCGGTCTTCAA
 CAGTGAACAGGAGACCATCACCTCCATTTACAAGACCAGCTTCCCAGTGGACATACCCTTTGACTTACCA
 GAGATCTTCTTTTTGTGGCCTTGGGGCCATCTGTGGCATCCTGAGTTGCGGGTACAACACTGCCAGC
 GGACTTCTTATTTTTCTCAAGTCAAATGGGTTACCTCCAACTGTGGCTACCAGCAAGCCCTTGTA
 CTCAGCTCTGGTGTGTGGTCTGGCCTCCATCACCTATCCACCTGGTGGGTGCTTTCATGGCTTCC
 CGGCTGTCTATGTCAGAGTACTTGGAGACTGTTTGACAACAACCTTTGGGCACTGATGACCAAGAAGT
 CGTCCCACCTGGTTCAGCGGAGCCTGATCCCCAGAACCCTGGTGGTGAATGGTGCATCCACAGATGAC
 TGTCTTTGGGACACTAGTCTTCTCCTGGTTCATGAAGTTCTGGATGCTGATTTTGGCCACCACCATCCCC
 ATCCCCGACAGTACTTTTTGCCATCTTGTCTACGGAGCTGCCATCGGGCGCCTTTTGGGGAGGTTT
 TATCTTTGGCCTTCCCAGAGGGCATTGTGGCTGGAGGCAAGTCAAGTCCCATCATGCCGGGGCCTATGC
 TCTGGCAGGTGCTGCTGCCTTCTCAGGGGCGGTGACCCACACCCTCTCCACAGCATTGCTGGCCTTGGAG
 GTATCCGGCCAGATCGTTCATGCACTGCCTGTGCTGATGGCCGTGCTGGCGGCAATGCCATCTGTCAGA
 GCTACCAGCCCTTTTCTACGACGGCACCATTGTCAAGAACTGCCGTACCTGCCGTGGATCCGTGG
 TCGTAAGATTGGTCCCACCTTGTGACTGTGGTCACTTCATGAAGTGTACCCTACCACGCTGGCCAAG
 GACATGCCCTGGAGGAAGTATCAAAGTGTGATCTCCACGGATGTGACTCAGTACCCCTGGTGGAGA
 CGACAGAGTCTCAGGTCCTGGTGGCATTGTCAAAGGACCCACTTGGTGCAGTCCCTCCATACCGATTC
 AGCTTCTGGGCTCCAGGCCAGCAGCCCTGTCTCCAGGATATCTTGGCTAACGGGTGCCCCACCCAGCCA
 GTGACACTTACGCTGTCCACGGAGACCTCCCTGCATGAGACGCACAACCTCTTTGAGCTGCTGAACCTTC
 AGCTGCTGTTCTGTGACGTACGAGGCAGAGCTGTGGGCTCTGTGCTCCTGGGTGGAGCTGAAGAAAGCAAT
 TTCAACCTGACCAATCCGCCCGCTCCCAAG**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM_173103
- 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_173103.1](#), [NP_775126.1](#)

RefSeq Size: 2313 bp

RefSeq ORF: 2064 bp

Locus ID: 79430

UniProt ID: [P51802](#)

Cytogenetics: 5q36

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 5. This gene is syntenic with human CLCNKA (geneID:1187).[provided by RefSeq, Sep 2009]