

Product datasheet for **RR213198**

Clcnkb (NM_173103) Rat Tagged ORF Clone

Product data:

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



[View online »](#)

ORF Nucleotide
Sequence:

>RR213198 representing NM_173103
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGGAAATAGTGGGGCTTCGAGAGGGCTCGCCAGGAAGCCAGTGCCTCTGCAAGAACTCTGGAGGC
 CGTGCCACGAAATCCGCAGAAACATCCAGGGGAGCCTAGAGTGGCTGAAAGAGCGGCTGTCCGTGTGGG
 TGAGGACTGGTACTTCTGGTGGCTCTCGGGTGTCTATGGCTCTGATCAGCTATGCCATGAACTTTGCT
 ATTGGACGTGTGGTCAGAGCGCATAAGTGGCTGTACAGGGAGATTGGGGACGGCCACCTGCTCCGGTACC
 TCTCTGGACCGTGTACCCCGTGGCTTCTGTCTTCTCCTCCGGCTTCTCACAGAGCATCACACCATC
 CTCTGGAGGGTCTGGGATCCCGAGGTGAAAACCATCTTGACAGGTGTGATCCTGGAGGACTACCTAGAC
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 GGGATTACTGGAGGGCTTCTTCGCTGCCACCTGCGGGGCTTTCATGTTTCACTCCTGGCGGTCTTCAA
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 GAGATCTTCTTTTTGTGGCCTTGGGGCCATCTGTGGCATCCTGAGTTGCGGGTACAACACTGCCAGC
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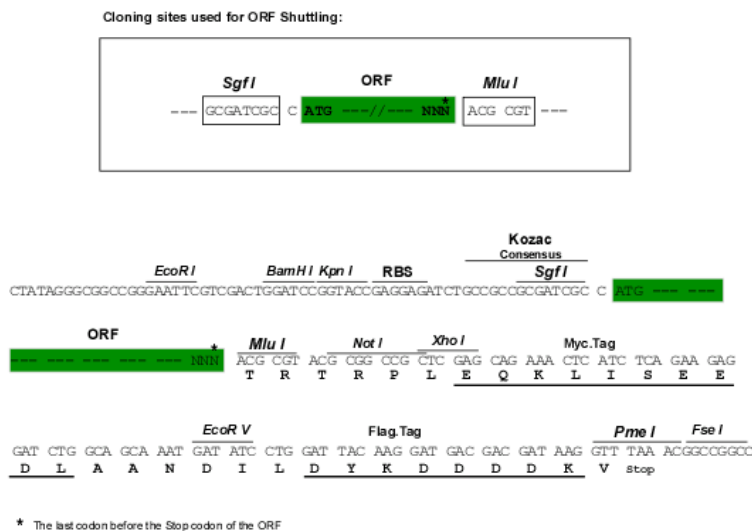
Protein Sequence: >RR213198 representing NM_173103
 Red=Cloning site Green=Tags(s)

MEEIVGLREGSPRKPVPLQELWRPCPRIRRNIQGSLEWLKERLFRVGEDWYFLVALGVLMLISYAMNFA
 IGRVVRHKWLYREIGDGHLLRYLSWTVPVALLSFSSGFSQSIPTSSGGSGIPEVKTILTGVILEDYLD
 IKNFGAKVVGLSCTLATGSTIFLGLKLPFVHLSVMIAAYLGRVRTKTVEPENKTKEMELLAAGAAVGVA
 TVFAAPISGVLFSIEVMSSHFSVWDYWRGFFAATCGAFMFHLLAVFNSEQETITSIYKTSFPVDIPFDLP
 EIFFFVALGAICGILSCGYNYCQRTSLFFLKSNGFTSKLLATSKPLYSALAAVVLASITYPPGVGRFMAS
 RLSMSEYLETLFDNNSWALMTKNSSPPWSAEPDQNLWLEWCHPQMTVFGTLVFFLVMKFWMLILATTIP
 IPAGYFLPIFVYGAAIGRLFGEVLSLAFPEGIVAGKVPIMPAYALAGAAAFSGAVTHTLSTALLAFE
 VSGQIVHALPVLMAVLAANAICQSYQPSFYDGTIIVKKLPYLPWIRGRKIGSHLVTGHEFMNCTLTTLAK
 DMPLEEVIKVVISTDVVTQYPLVETTESQVLVGIVKRTHLVQSLHTDSASWAPGQQPCLQDILANGCPTQP
 VTLQLSTETSLHETHNLFELNLQLLFVTSRGRAVGSVSWVELKKAISTLTNPPAPK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173103

ORF Size: 2061 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_173103.1](#), [NP_775126.1](#)

RefSeq Size: 2313 bp

RefSeq ORF: 2064 bp

Locus ID: 79430

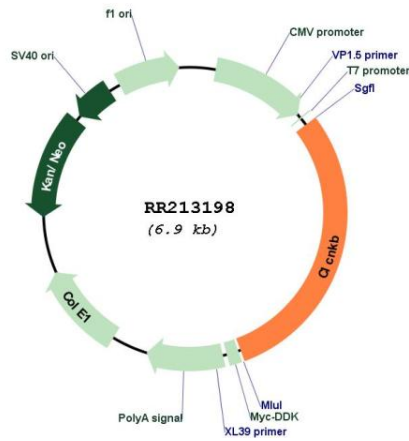
UniProt ID: [P51802](#)

Cytogenetics: 5q36

MW: 75.2 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 5. This gene is syntenic with human CLCNKA (geneID:1187).[provided by RefSeq, Sep 2009]

Product images:



Circular map for RR213198