

Product datasheet for **RR204393**

Clcn4 (NM_022198) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn4 (NM_022198) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clcn4
Synonyms:	Clcn4-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>RR204393 representing NM_022198
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGAGTGCCTCTGGGAACCTAATGGACTTCCTTGATGAGCCCTTCCCTGATGTGGGGACCTATGAAGACT
TCCACACCATAGACTGGCTGAGGGAAAAGTCCCGGGACTGACAGACATAGAAAGATAACCAGCAAAAAG
TAAAGAGTCTATTTGGGAGTTCATCAAGAGTCTGCTGGACGCATGGTCAGGATGGTGGTATGCTACTT
ATTGGTCTGCTAGCAGGTACCCTGGCTGGAGTTATCGATCTCGCTGTTGACTGGATGACAGACCTCAAGG
AGGGCGTCTGTCTGTCTGCATTCTGGTACAGCCATGAGCAATGCTGCTGGACCTCCAATGAGACCACTTT
TGAGGACAGGGACAAGTGTCCCCTGTGGCAGAAGTGGTCAGAGCTTCTTCTGAGCCAGTCAGAGGGTGT
AGCGCTTACATTCTGAATTACTTAATGTACATTCTATGGGCATTGCTGTTTGCATTTCTGGCTGTCTCCC
TGGTACGTGTGTTGCACCATATGCCTGTGGCTCTGGCATACTGAGATAAAGACTATTTTGAAGTGGCTT
TATCATCAGGGGCTACTTGGGAAATGGACTCTTCTAATCAAGACTGTCCTCTCGTGTGTTGTATCC
TCTGGCCTGAGTCTTGGGAAAGAGGGGCCACTGGTGCATGTGGCATGTTGCTGTGGCAACTCTTTAGCA
GCCTTTTCTCAAGTATAGCAAGAATGAAGGCAAGAGGCGTGAGGTGCTTTCCGCTGCAGCTGCTGCTGG
TGTCTCTGTGGCCTTTGGTGTCCCATAGGAGGTGACTCTTCACTTAGAGGAGTCACTTACTACTTTT
CCCTTGAAAACCTTGTGGAGGTCAATTTTTGCAGCCCTGGTGGCTGCCTTCACTGCGCTCCATCAACC
CCTTTGAAAATAGCCGCCTGGTCTCTTTATGTGGAGTATACACCTTGGTACATGGCTGAACCTT
CCCTTTCATCTGCTTGGAGTCTTTGGGGTGTGGGGAACCGTCTTACACGCTGCAACATTGCCTGG
TGCAGGAGCGGTAAAACCACAGGCTGGGAAGTATCCAGTGTGGAGGTCACTTGGTACAGCCATCA
TGCCATCATTGCTTATCCCAATCCCTACACTCGCCAGAGCACCAGTGAGCTCATATCTGAGCTATTCAA
TGATTGTGGGGCTCTTGGTCTTCTCAGCTCTGTGACTACATCAATGACCCCAACATGACTCGGCCTGTG
GATGACATTCCGGACCGGCCAGCTGGGGTGGAGTTTACACAGCCATGTGGCAGCTGGCCTTGGCACTGA
TCTTCAAATAGTCATTACTATATTTACCTTTGGCATGAAGATCCCTCAGGTCTCTTATCCCCAGTAT
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TGGATCATCTCAGGAAGTGGTGCAGGCCCTGGAGCGGACTGTGTCACACCAGGGCTTTATGCGATGGTGG
GAGCTGCAGCCTGTCTAGGTGGAGTACTAGGATGACAGTGTCTGTTAGTATCATGTTTGAAGTAC
TGGAGGTCTGGAATATATTGTACCCCTGATGGCAGCTGCTGTTACCAGCAAGTGGTGGCTGATGCCTTT
GGGAAAGAAGGGATTTATGAAGCCACATCCATCTGAATGGGTACCCATTTCTTGTATGTGAAGGATGAGT
TCACTCACCGTACCCTAGCCACTGATGTGATGCGGCCCGCAGGGGAGAACCACCTTTGTGAGTACTAAC
CCAGGACAGCATGACTGTGGAGGATGTGGAGACTCTCAAAAAGAGACAGACTACAATGGCTTTCCTGTG
GTGGTCTCGAGAGATTCCGGAGCGCCTATAGGCTTTGCCAGAGGGCGGAGCTAATCTTGGCTATAAAAA
ATGCCAGACAGAGGCAAGAGGGCATCGTGAGCAATCCATCATGTACTTACAGAGGAGCCCCCTGAGCT
GCCTGCCAACAGCCACATCCACTGAAGCTGAGGCGCATCTGAACCTGAGCCCTTTTACTGTACAGAC
CACACCCCATGGAGACAGTGGTGGACATTTTCCGAAACTGGGGCTCCGACAATGCCTGGTACACGGA
GTGGGAGGCTTCTGGGATCATCACAAAAAAGACGTTCTGAGACACATGGCGCAGATGGCAAACAGGA
CCCTGAATCCATCATGTTAAT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RR204393 representing NM_022198
Red=Cloning site Green=Tags(s)

MSASGNLMDFLDEPFPDVGTYEDFHTIDWLREKSRDTRHRKITSKSKESIWEFIKSLDDAWSGWVVMLL
 IGLLAGTLAGVIDLAVDWMIDLKEGVCLSAFWYSHEQCWTSNETTFEDRDKCPLWQKSELLLSQSEGA
 SAYILNLYMYILWALLFAFLAVSLVRVAFYACGSGIPEIKTILSGFIIRGYLGKWTLLIKTVTLVLVVS
 SGLSLGKEGPLVHVACCCGNFFSSLF SKYSKNEGKRREVL SAAAAAGVSVAFGAPIGGVLFSL EEVSYFF
 PLKTLWRSFFAALVAAF LRSINPFGNSRLVLFYVEYHTPWYMAELFPFILLGVFGGLWGTVFTRCNIAW
 CRRRKTTTLRGKYPVLEVI VVTAITAI IAYPNPYTRQSTSELISELFNDCGALESSQLCDYINDPNMTRPV
 DDIPDRPAGVGVYTAMWQLALALIFKIVITIFTFGMKIPSGLFIPSMAVGAMAGRMVIGVEQLAYHHHD
 WIIFRNWCRPGADCVTPGLYAMVGAAACLGGVTRMTVSLVVIMFELTGGLEYIVPLMAAAVTSKWVADAF
 GKEGIYEAHIHNLNGYPFLDVKDEFTHRTLATDVMRPRRGEPLSVLTQDSMTVEDVETLIKETDYNGFPV
 VVSRDSERLIGFAQRRELILAIKNARQRQEGIVSNSIMYFTEPEL PANSHPHLKRRILNLSPTVTD
 HTPMETVVDIFRKLGLRQLVTRSGRLGIITKDKDVLRHMAQMANQDPESIMFN

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_022198

ORF Size: 2262 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_022198.2](#), [NP_071534.2](#)

RefSeq Size: 4415 bp

RefSeq ORF: 2265 bp

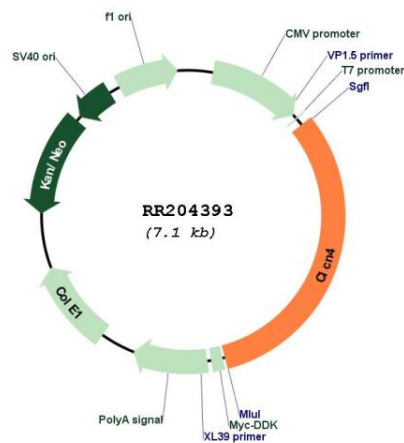
Locus ID: 60586

Cytogenetics: Xq13

MW: 84.4 kDa

Gene Summary: may act as a chloride channel [RGD, Feb 2006]

Product images:



Circular map for RR204393