

Product datasheet for **MR230964**

Clcn4 (NM_001302387) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn4 (NM_001302387) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clcn4
Synonyms:	Clc4-2; Clcn4-2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>MR230964 representing NM_001302387
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCCGCATCGCC

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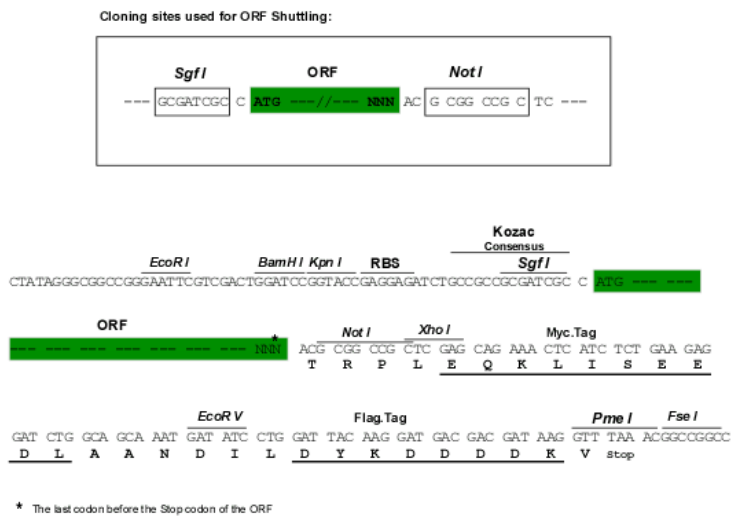
Protein Sequence: >MR230964 representing NM_001302387
 Red=Cloning site Green=Tags(s)

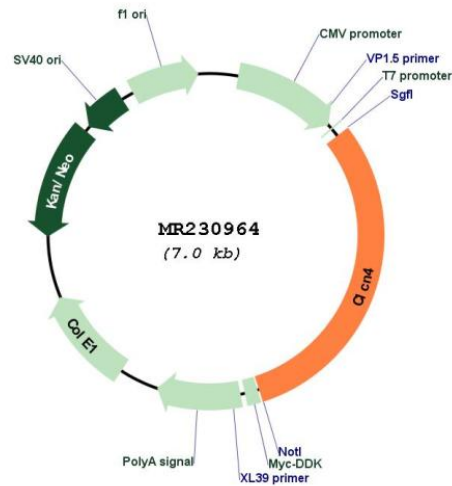
MDFLEEFPPDVGTYEDFHTIDWLREKSRDTRHRKITSKSKESIWEFIKSLDDAWSGWVVMLLIGLLAGT
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 LMYILWALLFAFLAVSLVRVFAPYACSGSIPKIKTILSGFIIRGYLGKWTLLIKTVTLVLVSSGLSLGK
 EGPLVHVACCCGNFFSSLF SKYSKNEGKRREVL SAAAAAGVSVAFGAPIGGVLFSL EEVSYFFPLKTLWR
 SFFAALVA AFTLRSINPFGNSRLVLFYVEYHTPWRRKTTTRLGRYPVLEI AVTAVTAIVAYPNPYTRQST
 SELISELFNDCGALESSQLCDYINDPNMTRPVDDIPDRPAGVGVYTAMWQLALALIFKIVITIFTFGMKI
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 GEPPLSVLTQDSMTVEDVETLIKETDYNGFPVLVSRDSERLIGFAQRRELILA IKNARQRQEGIVSNSIM
 YFTEPEL PANSPLKLRRI LNLSPFTVDHTPMETVVDIFRKLGLRQCLVTRSGRLLGIITKKDVL R
 HMAQMANQDPESIMFN

TRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-NotI

Cloning Scheme:



Plasmid Map:


ACCN: NM_001302387

ORF Size: 2148 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_001302387.2](#)

RefSeq Size: 4231 bp

RefSeq ORF: 2151 bp

Locus ID: 12727
Cytogenetics: 7 4.23 cM
MW: 80.6 kDa
Gene Summary: Proton-coupled chloride transporter. Functions as antiport system and exchanges chloride ions against protons (By similarity).[UniProtKB/Swiss-Prot Function]