

## Product datasheet for **MC221281**

### **Clcn4 (NM\_011334) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Clcn4 (NM_011334) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clcn4
Synonyms:	cIC-4; Clc4-2; Clcn4-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >MC221281 representing NM\_011334  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGGACTTCCTCGAGGAGCCCTTCCTGACGTGGGGACCTACGAGGACTCCACACCATAGACTGGCTGA  
 GGGAAAAGTCCCGGATACCGACAGACATAGGAAGATCACCAGCAAAAGTAAGGAGTCTATTTGGGAGTT  
 CATCAAGAGCCTGCTGGACGCGTGGTCGGGATGGTGGTACTACTATTGGGCTGCTGGCAGGTACC  
 TTGGCTGGAGTCACTCGATCTCGCTGTGGATTGGATGACGGACCTCAAGGAGGGGGTCTGTCTGCCGAT  
 TCTGGTACAGCCATGAACAGTGTGTTGGACCTCAACGAGACCCTTTTGGAGCAGGGACAAGTGTCC  
 CCTGTGGCAGAAGTGGTCAGAGCTTCTTCTGAGCCAGTCAGAGGGCGCCAGCGCTTACATTCTGAATTAC  
 TTAATGTACATTCTATGGGCGTTGCTGTTTGCATTTCTGGCTGTCTCCCTGGTACGTGTGTTCCGACCGT  
 ATGCCTGTGGCTCTGGCATAACCGAGATAAAGACTATTTTGGTGGCTTTATCATCAGGGGATACTTGGG  
 GAAATGGACTCTTCTAATCAAGACTGTCAACCTCGTGTGTCGTATCCTCTGGCCTGAGCCTTGGCAA  
 GAGGGCCCACTGGTGCATGTGGCATGTTGCTGTGGCAACTTCTTCAAGCAGCCTTTTCTCCAAGTATAGCA  
 AGAATGAAGCAAGAGGGCGTGGGTGCTTTCAGCTGCAGCTGCTGCTGGTGTCTCTGTGGCCTTGGTGC  
 TCCGATAGGAGGTGTGCTCTTCACTCTAGAGGAGTCACTTACTACTTTCCCTTGGAAAACCTTGTGGAGG  
 TCATTCTTTGACGCCCTGGTGGCTGCCTTCACTGCGCTCCATCAACCCCTTTGGAAAATAGCCGCTGG  
 TTCTCTTTTATGTGGAGTATCATACCCCTGGTACATGGCTGAACCTTCCCTTTTATCTCTGCTTGGAGT  
 CTTTGGGGTTTATGGGGAACCTTTCACACGCTGCAACATTGCTTGGTGCAGGAGGCGTAAGACCACC  
 AGGCTGGGAGGTACCCAGTGTGGAGGTTATTGCGGTGACAGCCGTACCGCCATCGTGGCCTACCCCA  
 ATCCCTACACTCGCCAGAGCACCAGTGAGCTCATCTGAGCTTCAACGATTGTGGGGCTCTGAGTCT  
 TTCTCAGCTCTGTGACTACATCAACGACCCCAACATGACTCGGCCTGTGGATGACATTCGGACCGGCCG  
 GCTGGGGTTGGAGTTTACACAGCCATGTGGCAGCTGGCCTTGGCACTGATCTTCAAAATAGTCACTACTA  
 TATTTACCTTTGGCATGAAGATTCCTCAGGTCTTTCATCCCCAGTATGGCTGTGCGAGCCATGGCAGG  
 CCGGATGGTGGGAATCGGTGTGGAGCAGCTGGCCTACCATCACCATGACTGGATCATCTTCAAGAACTGG  
 TGCAGGCTGGAGCGGACTGTGTACACCAGGGCTTTATGCGATGGTGGGAGCTGCAGCCTGTCTAGGTG  
 GGGTACTAGGATGACAGTGTCTAGTGGTCAATATGTTTGAAGTACTGGAGGCTGGAGTATATTGT  
 ACCCTGATGGCAGCTGTGTACCAGCAAGTGGTGGCTGATGCCTTTGGGAAAGAAGGGATTTATGAA  
 GCCACATCCATCTGAATGGGTACCCATTTCTTGTATGTAAGGATGAGTTCACCCACCGTACGCTGGCCA  
 CTGATGTGATGCGGCCCGGAGGGGAGAACCGCCATTATCGGTACTAACCCAGGACAGCATGACTGTGGA  
 GGACGTGGAGACTCTCATCAAGGAGACAGACTACAACGGCTTTCCTGTGCTCGTCTCCAGAGACTCGGAG  
 CGTCTCATCGGGTTTGGCCAGAGGGGGAGCTAATCTTGGCTATAAAAAATGCCAGGCAGAGGCAAGAGG  
 GCATTGTGAGCAATTCATCATGTACTTACAGAGGAGCCTCTGAGCTGCCTGCCAACAGCCCACATCC  
 ACTGAAGCTGAGGCGCATTTTGAACCTGAGCCCTTTCACGGTACAGATCACACCCCATGGAGACGGTG  
 GTGGACATTTCCGAAACTGGGCTCCGACAAATGCCTGGTACACGGAGTGGGAGACTTCTTGGGATCA  
 TCACAAAAAAGGATGTTCTGAGACACATGGCCAGATGGCAAACCGACCCCTGAATCCATCATGTTTAA  
**TTAG**

AC**CGGCCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA  
 TTACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-NotI  
**ACCN:** NM\_011334  
**Insert Size:** 2244 bp

<b>OTI Disclaimer:</b>	<p>Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at <a href="mailto:custsupport@origene.com">custsupport@origene.com</a> or by calling 301.340.3188 option 3 for pricing and delivery.</p> <p>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. <a href="#">More info</a></p>
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_011334.4</a> , <a href="#">NP_035464.3</a>
<b>RefSeq Size:</b>	4641 bp
<b>RefSeq ORF:</b>	2244 bp
<b>Locus ID:</b>	12727
<b>UniProt ID:</b>	<a href="#">Q61418</a>
<b>Cytogenetics:</b>	7 4.23 cM
<b>Gene Summary:</b>	<p>Proton-coupled chloride transporter. Functions as antiport system and exchanges chloride ions against protons (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) encodes the longest isoform (1). Variants 1, 6, and 7 encode isoform 1.</p>