

Product datasheet for **MC220642**

Clcn4 (BC005553) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn4 (BC005553) Mouse Untagged Clone
Tag:	Tag Free
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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Fully Sequenced ORF: >BC005553
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTTCCTCGAGGAGCCCTTCCTGACGTGGGGACCTACGAGGACTCCACACCATAGACTGGCTGA
 GGGAAAAGTCCCGGATACCGACAGACATAGGAAGATCACCAGCAAAAGTAAGGAGTCTATTTGGGAGTT
 CATCAAGAGCCTGCTGGACGCGTGGTGGGATGGTGGTACTACTATTGGGCTGCTGGCAGGTACC
 TTGGCTGGAGTCACTCGATCTCGCTGTGGATTGGATGACGGACCTCAAGGAGGGGGTCTGTCTGCCGAT
 TCTGGTACAGCCATGAACAGTGTGTTGGACCTCAACGAGACCCTTTTGGAGCAGGGACAAGTGTCC
 CCTGTGGCAGAAGTGGTCAAGCTTCTTCTGAGCCAGTCAAGGGCGCCAGCGTTACATTCTGAATTAC
 TTAATGTACATTCTATGGGCGTGTCTGTTGCATTTCTGGCTGTCTCCCTGGTACGTGTGTTCCGACCGT
 ATGCCTGTGGCTCTGGCATAACCGAGATAAAGACTATTTTGGTGGCTTTATCATCAGGGGCTACTTGGG
 GAAATGGACTCTTCTAATCAAGACTGTCAACCTCGTGTCTCGTATCCTCTGGCCTGAGCCTTGGCAA
 GAGGGCCACTGGTGCATGTGGCATGTTGCTGTGGCAACTTCTTCAAGCAGCCTTTTCTCCAAGTATAGCA
 AGAATGAAGGCAAGAGGCGTGAGGTGCTTTCAGCTGCAGCTGCTGCTGGTGTCTCTGTGGCCTTGGTGC
 TCCGATAGGAGGTGTGCTCTTCACTCTAGAGGAGTCACTTACTACTTTCCCTTGAAAACCTTGTGGAGG
 TCATTCTTTGACGCCCTGGTGGCTGCCTTCACTGCGCTCCATCAACCCCTTTGGAAAATAGCCGCTGG
 TTCTCTTTTACGTGGAGTATCATACCCCTGGAGGCGTAAGACCACCAGGCTGGGAGGTACCCAGTGT
 GGAGGTTATTGCGGTGACAGCCGTCACCGCCATCGTGGCTACCCCAATCCCTACACTCGCCAGAGCACC
 AGTGAGCTCATCTCTGAGCTCTTCAACGATTGTGGGCTCTCGAGTCTTCTCAGCTCTGTGACTACATCA
 ACGACCCCAACATGACTCGGCCGTGGATGACATTCCGGACCGCCGGCTGGGGTTGGAGTTTACACAGC
 CATGTGGCAGCTGGCCTTGGCACTGATCTTCAAAATAGTCATTACTATATTTACCTTTGGCATGAAGATT
 CCCTCAGGTCTTTCATCCCCAGTATGGCTGTCCGAGCCATGGCAGGCCGATGGTGGGAATCGGTGTGG
 AGCAGCTGGCCTACCATCACCATGACTGGATCATCTTCAGGAACTGGTGCAGGCCTGGAGCGGACTGTGT
 CACACCAGGGCTTATGCGATGGTGGGAGCTGCAGCCTGTCTAGGTGGGGTACTAGGATGACAGTGTCT
 CTAGTGGTCATTATGTTTGAAGTACTGGAGGTCTGGAGTATATTGTACCCCTGATGGCAGCTGCTGTCA
 CCAGCAAGTGGGTGGCTGATGCCTTTGGAAAGAAGGGATTTATGAAGCCACATCCATCTGAATGGGTA
 CCCATTTCTTGATGTGAAGGATGAGTTCACCCACCGTACGCTGGCCACTGATGTGATGCGGCCCCGAGG
 GGAGAACCGCCATTATCGGTACTAACCCAGGACAGCATGACTGTGGAGGACGTGGAGACTCTCATCAAGG
 AGACAGACTACAACGGCTTTCCTGTGCTCGTCTCCAGAGACTCGGAGCGTCTCATCGGGTTGCCAGAG
 GCGGGAGCTAATCTTGGCTATAAAAAATGCCAGGCAAGAGGGCATTGTGAGCAATTCCATCATG
 TACTTCACAGAGGAGCCTCCTGAGCTGCCTGCCAACAGCCACATCCACTGAAGCTGAGGCGCATTTTGA
 ACCTGAGCCCTTTCACGGTACAGATCACACCCCATGGAGACGGTGGTGGACATTTTCCGGAAACTGGG
 GCTCCGACAATGCCTGGTACACGGAGTGGGAGACTTCTTGGGATCATCACAAAAAGGATGTTCTGAGA
 CACATGGCCAGATGGCAAACAGGACCCTGAATCCATCATGTTTAATTAG

ACGCGGCCGCTCGAGCAGAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACA
AGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-NotI
ACCN: BC005553
Insert Size: 2151 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:	<ol style="list-style-type: none">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:	<u>BC005553</u> , <u>AAH05553</u>
RefSeq Size:	2447 bp
RefSeq ORF:	2150 bp
Locus ID:	12727
Cytogenetics:	7 4.23 cM
Gene Summary:	Proton-coupled chloride transporter. Functions as antiport system and exchanges chloride ions against protons (By similarity).[UniProtKB/Swiss-Prot Function]