

Product datasheet for **MC228753**

Clcn4 (NM_001302387) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn4 (NM_001302387) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clcn4
Synonyms:	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: >MC228753 representing NM_001302387
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGACTTCCTCGAGGAGCCCTTCCTGACGTGGGGACCTACGAGGACTCCACACCATAGACTGGCTGA
 GGGAAAAGTCCCGGATACCGACAGACATAGGAAGATCACCAGCAAAAGTAAGGAGTCTATTTGGGAGTT
 CATCAAGAGCCTGCTGGACGCGTGGTGGGATGGTGGTACTACTATTGGGCTGCTGGCAGGTACC
 TTGGCTGGAGTCACTCGCTCGCTGTGGATTGGATGACGGACCTCAAGGAGGGGGTCTGTCTGCCGAT
 TCTGGTACAGCCATGAACAGTGTGTTGGACCTCAACGAGACCCTTTTGGAGCAGGGACAAGTGTCC
 CCTGTGGCAGAAGTGGTCAAGCTTCTTCTGAGCCAGTCAAGGGCGCCAGCGCTTACATTCTGAATTAC
 TTAATGTACATTCTATGGGCGTGTCTGTTGCATTTCTGGCTGTCTCCCTGGTACGTGTGTTCCGACCGT
 ATGCCTGTGGCTCTGGCATAACCGAGATAAAGACTATTTTGGTGGCTTTATCATCAGGGGATACTTGGG
 GAAATGGACTCTTCAATCAAGACTGTCAACCTCGTGTCTCGTATCCTCTGGCCTGAGCCTTGGCAA
 GAGGGCCCACTGGTGCATGTGGCATGTTGCTGTGGCAACTTCTTCAAGCAGCCTTTTCTCCAAGTATAGCA
 AGAATGAAGGCAAGAGGCGTGAGGTGCTTTCAGCTGCAGCTGCTGCTGGTGTCTCTGTGGCCTTGGTGC
 TCCGATAGGAGGTGTGCTCTTCACTCTAGAGGAGTCACTTACTACTTTCCCTTGAAAACCTTGTGGAGG
 TCATTCTTTGACGCCCTGGTGGCTGCCTTCACTGCGCTCCAACAACCCCTTGGAAAATAGCCGCTGG
 TTCTCTTTTATGTGGAGTATCATACCCCTGGAGGCGTAAGACCACCAGGCTGGGAGGTACCCAGTGT
 GGAGGTATTGCGGTGACAGCCGTACCCGCATCGTGGCTACCCCAATCCCTACACTCGCCAGAGCACC
 AGTGAGCTCATCTCTGAGCTCTCAACGATTGTGGGCTCTCGAGTCTTCTCAGCTCTGTACTACATCA
 ACGACCCCAACATGACTCGGCCGTGGATGACATTCCGGACCGCCGGCTGGGGTTGGAGTTTACACAGC
 CATGTGGCAGCTGGCCTTGGCACTGATCTTCAAAATAGTCATTACTATATTTACCTTTGGCATGAAGATT
 CCCTCAGGTCTTTCATCCCCAGTATGGCTGTCCGAGCCATGGCAGGCCGATGGTGGGAATCGGTGTGG
 AGCAGCTGGCCTACCATCACCATGACTGGATCATCTTCAGGAAGTGGTGCAGGCCTGGAGCGGACTGTGT
 CACACCAGGGCTTATGCGATGGTGGGAGCTGCAGCCTGTCTAGGTGGGGTACTAGGATGACAGTGTCT
 CTAGTGGTCATTATGTTTGAAGTACTGGAGGTCTGGAGTATATTGTACCCCTGATGGCAGCTGTGTCA
 CCAGCAAGTGGGTGGCTGATGCCTTTGGAAAGAAGGGATTTATGAAGCCACATCCATCTGAATGGGTA
 CCCATTTCTTGATGTGAAGGATGAGTTCACCCACCGTACGCTGGCCACTGATGTGATGCGGCCCCGAGG
 GGAGAACCGCCATTATCGGTACTAACCCAGGACAGCATGACTGTGGAGGACGTGGAGACTCTCATCAAGG
 AGACAGACTACAACGGCTTTCCTGTGCTCGTCTCCAGAGACTCGGAGCGTCTCATCGGGTTGCCAGAG
 GCGGGAGCTAATCTTGGCTATAAAAAATGCCAGGCAAGAGGGCATTGTGAGCAATTCATCATG
 TACTTCACAGAGGAGCCTCCTGAGCTGCCTGCCAACAGCCACATCCACTGAAGCTGAGGCGCATTTTGA
 ACCTGAGCCCTTTCACGGTACAGATCACACCCCATGGAGACGGTGGTGGACATTTTCCGAAACTGGG
 GCTCCGACAATGCCTGGTACACGGAGTGGGAGACTTCTTGGGATCATCACAAAAAAGGATGTTCTGAGA
 CACATGGCCAGATGGCAAACAGGACCCTGAATCCATCATGTTAAT**TAG**

AC**GGGCCGC**TCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGA
 TTACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-NotI

ACCN: NM_001302387

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).

OTI Annotation:	Clone contains native stop codon, and expresses the complete ORF without any c-terminal tag.
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>NM_001302387.1, NP_001289316.1</u>
RefSeq Size:	4231 bp
RefSeq ORF:	2151 bp
Locus ID:	12727
Cytogenetics:	7 4.23 cM
Gene Summary:	<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 (3) uses an alternate in-frame splice site in the central coding region, compared to variant 1. It encodes isoform 3 which is shorter compared to isoform 1.</p> <p>Sequence Note: The RefSeq transcript and protein were derived from genomic sequence to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on alignments.</p>