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Product datasheet for MC228674

Clcn4 (NM_001302386) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn4 (NM_001302386) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clcn4
Synonyms:	clC-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:

>MC228674 representing NM_001302386
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGCTACTCATTGGGCTGCTGGCAGGTACCTTGGCTGGAGTCATCGATCTCGCTGTGGATTGGATGACGG
ACCTCAAGGAGGGGGTCTGTCTGTCCGCATTCTGGTACAGCCATGAACAGTGCTGTTGGACCTCCAACGA
GACCACTTTTGAGGACAGGGACAAGTGTCCCCTGTGGCAGAAGTGGTCAGAGCTTCTTCTGAGCCAGTCA
GAGGGCGCCAGCGCTTACATTCTGAATTACTTAATGTACATTCTATGGGCGTTGCTGTTTGCATTTCTGG
CTGTCTCCCTGGTACGTGTGTTCGCACCGTATGCCTGTGGCTCTGGCATACCCGAGATAAAGACTATTTT
GAGTGGCTTTATCATCAGGGGATACTTGGGGAAATGGACTCTTCTAATCAAGACTGTCACCCTCGTGCTC
GTCGTATCCTCTGGCCTGAGCCTTGGCAAAGAGGGCCCACTGGTGCATGTGGCATGTTGCTGTGGCAACT
TCTTCAGCAGCCTTTTCTCCAAGTATAGCAAGAATGAAGGCAAGAGGCGTGAGGTGCTTTCAGCTGCAGC
TGCTGCTGGTGTCTCTGTGGCCTTTGGTGCTCCGATAGGAGGTGTGCTCTTCAGTCTAGAGGAGGTCAGT
TACTACTTTCCCTTGAAAACCTTGTGGAGGTCATTCTTTGCAGCCCTGGTGGCTGCCTTCACACTGCGCT
CCATCAACCCCTTTGGAAATAGCCGCCTGGTTCTCTTTTATGTGGAGTATCATACACCCTGGTACATGGC
TGAACTCTTCCCTTTCATCCTGCTTGGAGTCTTTGGGGGTTTATGGGGAACCCTCTTCACACGCTGCAAC
ATTGCTTGGTGCAGGAGGCGTAAGACCACCAGGCTGGGCAGGTACCCAGTGTTGGAGGTTATTGCGGTGA
CAGCCGTCACCGCCATCGTGGCCTACCCCAATCCCTACACTCGCCAGAGCACCAGTGAGCTCATCTCTGA
GCTCTTCAACGATTGTGGGGCTCTCGAGTCTTCTCAGCTCTGTGACTACATCAACGACCCCAACATGACT
CGGCCTGTGGATGACATTCCGGACCGGCCGGCTGGGGTTGGAGTTTACACAGCCATGTGGCAGCTGGCCT
TGGCACTGATCTTCAAAATAGTCATTACTATATTTACCTTTGGCATGAAGATTCCCTCAGGTCTCTTCAT
CCCCAGTATGGCTGTCGGAGCCATGGCAGGCCGGATGGTGGGAATCGGTGTGGAGCAGCTGGCCTACCAT
CACCATGACTGGATCATCTTCAGGAACTGGTGCAGGCCTGGAGCGGACTGTGTCACACCAGGGCTTTATG
CGATGGTGGGAGCTGCAGCCTGTCTAGGTGGGGTGACTAGGATGACAGTGTCTCTAGTGGTCATTATGTT
TGAACTGACTGGAGGTCTGGAGTATATTGTACCCCTGATGGCAGCTGCTGTCACCAGCAAGTGGGTGGCT
GATGCCTTTGGGAAAGAAGGGATTTATGAAGCCCACATCCATCTGAATGGGTACCCATTTCTTGATGTGA
AGGATGAGTTCACCCACCGTACGCTGGCCACTGATGTGATGCGGCCCCGGAGGGGAGAACCGCCATTATC
GGTACTAACCCAGGACAGCATGACTGTGGAGGACGTGGAGACTCTCATCAAGGAGACAGACTACAACGGC
TTTCCTGTGCTCGTCTCCAGAGACTCGGAGCGTCTCATCGGGTTTGCCCAGAGGCGGGAGCTAATCTTGG
CTATAAAAAATGCCAGGCAGAGGCAAGAGGGCATTGTGAGCAATTCCATCATGTACTTCACAGAGGAGCC
TCCTGAGCTGCCTGCCAACAGCCCACATCCACTGAAGCTGAGGCGCATTTTGAACCTGAGCCCTTTCACG
GTCACAGATCACACCCCCATGGAGACGGTGGTGGACATTTTCCGGAAACTGGGGCTCCGACAATGCCTGG
TGACACGGAGTGGGAGACTTCTTGGGATCATCACAAAAAAGGATGTTCTGAGACACATGGCCCAGATGGC
AAACCAGGACCCTGAATCCATCATGTTTAATTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001302386

Insert Size: 2064 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.

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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_001302386.1, NP_001289315.1
RefSeq Size:	4169 bp
RefSeq ORF:	2064 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] Transcript Variant: This variant (2) is shorter at the 5' end, lacks an alternate exon in the 5' coding region and uses a downstream start codon, compared to variant 1. It encodes isoform 2 which has a shorter N-terminus compared to isoform 1.

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