

Product datasheet for **MC202208**

Clcn5 (NM_016691) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn5 (NM_016691) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clcn5
Synonyms:	5430408K11Rik; Clc-5; Clc4-1; Clc5; Clcn4-1; D930009B12Rik; DXImx42e; Sfc13; T25545
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC036347 sequence for NM_016691
 GTTTGTTGCTGTTAAAAGCCGAGAAAAGCAGCAAGTTCCTTCTAAAGCTCCCCAGAGCGGGCGTCTGTA
 AAAGCACCTCAACCTAAATGAGCAAATACGGGCTGCCAAGTTGTTTCTTCTTGAGGCAGAAAAAAGA
 AAAGTGTGAACGAAGGGAACAAGTCATACAATGGTGGTGAATAGGCTCTCAAATAGAGTCATGGACTT
 CTTGGAGGAGCCAATCCCTGGTGTAGGGACCTATGATGATTTCAACACAATTGATTGGGTGAGAGAGAAA
 TCTCGAGACCGAGATAGGCACCGAGAGATTACCAATAAAAAGCAAAGAGTCAACATGGGCCTTAATTCACA
 GTGTGAGCGATGCTTTCTGGCTGGTTGTTAATGCTCCTTATTGGCCTTTTATCAGGTTCCCTTAGCTGG
 CCTGATAGACATCTCTGCTCACTGGATGACAGACTTAAAAGAAGGGATATGTACAGGGGGTCTGGTTT
 AACCATGAGCACTGTTGCTGGAATTCTGAGCATGTTACCTTTGAACACAGAGACAATGTCCAGAGTGGAA
 ATACCTGGGCCAGCTCATCATCAATACAGATCAGGGAGCCTTTGCCTACATAGTCAATTACTTTCATGTA
 CGTCTCTGGGCTCTTCTGTTTCTTCTGCTGTATCTTGTCAAGGCATTTGCACCTTATGCCTGT
 GTTTCTGGAATCCCTGAGATCAAACCATCCTGAGTGGTTTCATTATTAGAGGCTATCTGGGTAAGTGGAA
 CCCTTGTCAATCAAACATCACTTTGGTGTGGCGGTGCATCTGGCTTGAGCCTGGGCAAGGAGGGCCC
 CCTGGTGCACGTGGCTTGTCTGTGGGAACATCTTGTGCCACTGCTTCAACAAATACCGGAAGAATGAA
 GCCAAGCGGAGAGAGGTCTTATCAGCTGCAGCGGCTGCCGGTGTATCTGTAGCCTTTGGGGCCCCTATTG
 GTGGAGTATTATTCAGCCTGGAAGAGGTGAGCTACTACTTTCCCTCAAACACTATGGCGTTCTTTCTT
 CGCTGCTCTGGTGGCAGCGTTTCACTCCGCTCCATCAATCCATTTGGAACAGCCGCTTAGTTCTGTTT
 TATGTAGAGTTCCACACCCCGTGGCATCTCTTTGAGCTCGTGCCATTCATTGTACTAGGCATATTCGGTG
 GCCTTTGGGGAGCTCTGTTTATCCGCACAAACATTGCCTGGTGTGCGAAGCGTAAAACACACAGTTGGG
 CAAGTATCCTGTCTGTCGAGGTAATCTGTTGACGGCCATCACTGCCATCTTGGCTTTCCCAATGAATAT
 ACCCGGATGAGCACAAGTGAAGTCAATTTCTGAGCTGTTCAATGACTGCGGCCTCTGGACTCCTCCAAGC
 TCTGTGATTATGAGAACCACTTCAACACAAGCAAAGCGGTGAGCTGCCTGACAGACCTGCTGGCGTGGG
 CGTCTACAGTGCATGTGGCAGTGGCTCTGACACTCATACTGAAAATAGTCATTACTATATTCACCTTT
 GGCATGAAGATTCTTCTGGTCTCTTTATCCCCAGCATGGCTGTGCGTGTATAGCAGGCCGCTTTTATAG
 GAGTCGGAATGGAGCAACTGGCTTATTACCACCAGACTGGGCATCTTCAATAGCTGGTGTAGTCAGGG
 AGCTGATTGTATCACCCCTGGCCTTTATGCCATGGTTGGGGCTGCTGCCTGCTTAGGTGGGGTGACTCGG
 ATGACTGTTTCTCTTGTGTGATAATGTTTGAAGTACTGGTGGCCTGGAATATATTGTGCTCTGATGG
 CTGCAGCTATGACAAGCAAGTGGTGGCTGATGCTCTTGGGCGAGAGGGCATTATGATGCCACATCCG
 TCTCAATGGATACCCCTTTCTTGAAGCCAAAGAAGAATTGCTCATAAGACTCTGGCAATGGATGTGATG
 AAGCCCCGAGAAATGACCCCTTGTGACTGTCCTTACTCAGGACAGTATGACTGTGGAGGATGTCGAGA
 CCATAATCAGCGAAACCGTACAGTGGCTTTCCGGTGGTGTGCTCCGAGAGTCGCAAAGACTTGTAGG
 CTTTGTCTTTCGAAGAGATCTCATTATTTCAATTGAAAATGCTCGGAAGAAACAGGACGGGGTGTGAGC
 ACTTCCATCATTATTTACGGAGCATTTCGCTCCAATGCCTCCATACACCCACCTACCCTGAAGCTTC
 GGAACATCCTGGACCTCAGCCCTTCACTGTGACAGACCTTACGCCAATGGAGATCGTGGTGGACATCTT
 CCGCAAGCTGGGCTGCGCCAGTGCCTGGTTACACACAACGGGCGCTTACTTGAATCATCACAAAAAAG
 GATGTGTTAAAGCATATAGCACAGATGGCAAACCAAGACCCTGATTCCATTCTCTTCAACTAGAATCATG
 GGCTTGTGTGGATATAAAACAAGGACATTGCGGACCATGGATATATTTTAACTGGGTACCCAAAAC
 ACATTTCCCATATTTGGATGGTGAAGTCATATTAGTGTGTGTCTGTTTCTACAAGTTAATCAGTTGCA
 CTACATAATTTCTGAAAATAATCTCTTTAGGAGAAAATACAGTTAGGCTTCTGTGATACTGCATTAGGA
 AGGGTTCACGAAAGAGTAAACAAGATGGCTATGGTTTAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI
ACCN: NM_016691
Insert Size: 2241 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>BC036347</u> , <u>AAH36347</u>
RefSeq Size:	2749 bp
RefSeq ORF:	2241 bp
Locus ID:	12728
UniProt ID:	<u>Q9WVD4</u>
Cytogenetics:	X 3.21 cM
Gene Summary:	<p>Proton-coupled chloride transporter. Functions as antiport system and exchanges chloride ions against protons. Important for normal acidification of the endosome lumen. May play an important role in renal tubular function (By similarity).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>