

Product datasheet for **MC221621**

Clcn3 (NM_173876) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn3 (NM_173876) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clcn3
Synonyms:	Clc3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

Fully Sequenced ORF: >MC221621 representing NM_173876
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGATGCTTCTTCTGATCCCTATTTGCCCTTATGACGGGGGAGGAGACAGTATCCCTTGAGAGAATTAC
 ATAAAAGAGGAACTCATTATACAATGACAAATGGAGGCAGCATTAAAGCTCTACACACTTGCTGGATCT
 TTTGGATGAGCCTATCCCAGGTGTCGGTACCTACGATGATTTCCATACTATTGACTGGGTGCGAGAGAAG
 TGTAAGGACAGAGAAAGGCACAGACGGTCAACAGTAAAAAAGAATCAGCATGGGAAATGACAAAA
 GTCTGTATGACGCCTGGTCAGGATGGCTTGTGTACTGACGGGACTGGCATCAGGGGCACTAGCTGG
 ATTGATAGACATTGCTGCTGACTGGATGACTGACCTGAAGGAGGGCATCTGCCTCAGTGCATTGTGGTAC
 AACATGAACAGTGTGTTGGGGCTCTAATGAGACAACGTTTGAAGAGAGGGATAAATGTCCACAGTGA
 AACATGGGCAGAGTTAATCATTGGCCAAGCAGAGGGCCCTGGATCTTATATCATGAACTACATCATGTA
 CATCTTTTGGGCTTTGAGTTTGGCTTTCTTGCAGTTTCTTTGGTAAAGTATTTGCTCCATATGCCTGT
 GGCCTCTGGAAATCCAGAGATTAATACTATTTGAGTGGATTTATCATCAGAGGATACTTGGGAAAATGGA
 CTTAATGATTAATACTATCACGTTAGTGTGGCTGTGGCATCAGGTTTGTAGTTTGGGAAAAGAAGTCC
 CCTGGTACATGTTGCCTGCTGCTGTGGAACATCTTTTCTACCTCTTTCCAAAGTATAGACCAATGAA
 GCTAAAAAGAGGGAGGTGCTGTCAGCCGCTCAGCTGCTGGGGTTTCTGTGGCTTTTGGTGCACCGATCG
 GAGGAGTCTTTTTAGCTTGGAGAGGTTAGCTATTATTTTCTCTCAAACTTTATGGAGATCATTTTT
 TGCTGCTTTGGTGGCAGCATTTGTTTGGAGATCCATCAATCCATTTGGTAACAGCCGTCTGGTCTCTTT
 TATGTGGAGTATCATACCATGGTACCTTTTGAAGTGTTCCTTTTATCTCTAGGGGATTTGGAG
 GGCTTTGGGGAGCTTTTTTATTAGGGCAATATTGCCTGGTGTGTCGACGCAAGTCCACCAAAATTTGG
 AAAGTATCCTGTTCTCGAAGCATTATTGTTGCAGCCATTACTGCTGTGATAGCCTTCCCAACCCATAC
 ACAAGGCTCAACACCAAGTGAAGTGAATAAAGAGCTGTTTACAGATTGTGGGCCGTTGGAATCCTCTCTC
 TCTGTGACTACAGAAATGACATGAATGCCAGTAAATTTGACGATATTCCTGACCGTCCAGCAGGCGT
 TGGAGTATATTCAGTATCTGGCAGTTGTGCTAGCGCTCATATTTAAAAAATAAATGACAGTATCACT
 TTTGGTATCAAGTCCCCTCAGGCTTGTATCCCCAGCATGGCCATTGGAGCCATTGCAGGAGAAATG
 TGGGGATCGCTGTGGAGCAGCTTGCTACTATCACCACGACTGGTTTATCTTCAAGGAGTGGTGTGAGGT
 TGGGGCTGACTGCATCACTCCCGGCTGTATGCCATGGTTGGGGCTGCTGCGTGTAGGTGGTGTGACA
 AGAATGACTGTGTCTCTGGTGGTTATTGTTTTGAAGTACTGGAGGCTTGAATATATTGTTCTCTTA
 TGCTGACAGTAAAGACCAGTAAATGGGTTGGTGTATGCCTTTGGTAGGGAAGGTATTTATGAAGCACACAT
 CCGACTAAATGGGTACCCTTTCTTGATGCAAAAGAAGAATTCATCATACAACCCTGGCTGCTGATGTT
 ATGAGACCTCGAAGAAGTGACCCTCCCTTAGCTGTTTTGACACAGGACAATATGACAGTAGATGACATAG
 AAAACATGATTAATGAAACCAGCTATAATGGCTTTCCTGTTATAATGTCAAAAGAATCTCAGAGATTAGT
 GGGATTTGCCCTCAGAAGAGACCTGACTATTGCAATAGAAAGTCCAGAAAAAACAAGAAGGGATTGTT
 GGCAGTTCTCGGGTGTGTTTTGCACAGCATACTCCATCTTCCAGCAGAAAGTCCACGGCCATTA
 TGAGAAGCATCCTTGACATGAGCCCTTTACAGTGACAGACCACCCCAATGGAGATTGTGGTGTGACAT
 CTTTCGAAAGCTTGGTCTGAGGCAGTGCCTTGTAACTCACAACGGACGCCCTCCTTGGCATTATAACAAAA
 AAAGATATCCTCCGTATATGGCCAGACGGCAACCAAGACCCCGCTTCAATAATGTTCAACTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_173876
Insert Size: 2376 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:	NM_173876.3 , NP_776301.1
RefSeq Size:	5250 bp
RefSeq ORF:	2376 bp
Locus ID:	12725
Cytogenetics:	8 30.9 cM
Gene Summary:	<p>Mediates the exchange of chloride ions against protons. Functions as antiporter and contributes to the acidification of the endosome and synaptic vesicle lumen, and may thereby affect vesicle trafficking and exocytosis. May play an important role in neuronal cell function through regulation of membrane excitability by protein kinase C. It could help neuronal cells to establish short-term memory.[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (c) uses an alternate in-frame exon in the 5' coding region, compared to variant b. It encodes isoform c, which is shorter and has a distinct N-terminus compared to isoform b. 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>