

Product datasheet for **MC222319**

Clcn6 (NM_011929) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn6 (NM_011929) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Clcn6
Synonyms:	A1850629; Clc6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222319 representing NM_011929
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGCGGGGTGCAGGGGTCCGTGTGCTGCTGCCGGTGGTGTGCTGCTGCCGTGAACGGGAGAGCC
 GCACCCCGAGGAGCTGACCATCCTTGGGAGACACAGGAAGAAGAGGATGAGATTCTTCCAAGGAAAGA
 CTATGAGAGTCTGGACTATGACCCTGCATCAATGACCCTTACCTGGAGGTGTTGGAGACCATGGATAAT
 AAGAAAGGGCGAAGATACGAGGCGGTGAAGTGGATGGTGGTGTTCGCATTGGCGTCTGTACGGGCTGG
 TGGGTCTCTTTGTGGACTTTCCGTGCGACTCTTACCCAACTGAAGTTCGGAGTGGTTCAAACGTCGGT
 GGAGGAATGCAGTCAGAAGGGCTGCCTGCCCTGTCCCTCCTGGAGTCTCGGGCTTAACTTGACCTTT
 GTCTTCTGGCAAGCCTTCTGTCTTGATAGAGCCAGTGCAGCAGGTTCTGGAATCCCGAGATCAAGT
 GCTACCTGAATGGTGTGAAAGTCCAGGAATTGTCGGCTCCGGACCCTGCTCTGCAAAGCTTTGGGGT
 GCTGTTCAAGTGTCTGGAGGGCTTTGTGGGAAAGAAGGCCCATGATCCACAGTGGTGTGTGGTA
 GGAGCTGGCCTCCCTCAGTTCAGAGCATCTCCTTACGGAAGATCCAGTTAACTTCCCCTACTTCCGCA
 GCGACAGAGACAAGCGTGACTTTGTGTCAGCGGGGCGAGCTGCTGGCGTTGCTGCAGCTTTTGGGGCCC
 TATAGGGGGCACCTTGTTCACTGTGGAGAGGGTTCATCCTTCTGGAACCGGGCTCACGTGAAAAGTG
 CTCTTCTGTTCCATGTCCGCCACCTTACCCTCAACTTCTCCGCTCTGGGATTCAGTTTGGAAAGTTGGG
 GTTCTTCCAGCTGCCTGGATTGCTGAAGTTGGTGAATTAAGTGTCTGACTCTGATAAAAAATGTCA
 TCTCTGGACAGCTATGGATTTGGGTTTCTTCGTCGTGATGGGGTTCATTGGGGCCTCCTGGGAGCCACA
 TTCAACTGTCTGAACAAGAGGCTTGCAAAGTACCGTATGCGCAACGTGCACCCGAAACCTAAGCTGTCA
 GAGTCTTAGAGAGCCTCTTGGTGTCCCTGGTACCAGTGTGGTGGTGTGGTGGTGGTGGTGGTGGTGGT
 AGAATGCCGACAGATGTCTTCCAGGAGTCAAACCGGTAATGGCTCATTCCAGCTCCAGGTCACATCAGAA
 GATGTGAATCAACTATCAAGGCTTTTTTCTGTCCCAATGACACTTACAATGACATGGCCCACTCTTCT
 TCAACTCCAGGAGTCTGCCATCCTGCAGCTCTTCCATCAGGATGGGACTTTCAGCCCCGTACCCTGGC
 CTTATTCTTATCCTCTATTTCTGCTCGCATGCTGGACTTTTGGCACATCTGTCCCCAGTGGCCTCTTC
 GTGCCCTCCCTGCTGTGTGGAGCAGCTTTTGGACGTTTAGTTGCCAATGCTCTGAAAAGCTACATTGGAC
 TGGGCCACCTCTATTCTGGACCTTTGCCCTGATTGGTGCAGCCTTCTTGGTGGGGTGTGAAGGAT
 GACCATCAGCCTCACAGTCATCCTGATCGAGTCTACAAATGAGATCACCTATGGGCTTCCGATCATGGTC
 ACTCTGATGGTGGCCAAGTGGACTGGAGACTTGTCAACAAGGGCATTATGACGTCATATTGGGCTGA
 GAGGTGTGCCTCTTCTGGAGTGGGAGACAGACGTGGAAAATGGACAAGCTGAGAGCCAGTGACATCATGGA
 GCCAACCTGACGTACGTCTACCCGCACACTCGCATCCAGTCTCTGGTGAAGCATCCTGCGCACTACGGTC
 CACCATGCCTTCCAGTGGTACGGAGAACCAGGGCAACGAGAAGGAGTTCATGAAGGGCAACCAGCTCA
 TAAGCAACAACATCAAGTTCAAGAAATCCAGTATCCTGACCCGTGCTGGTGAAGCAGCGCAAGCGGGCCA
 GTCCATGAAGTCGTACCCTTCCAGCGAGCTGCGCAACGTGTGTGATGAGCATGTGGCTTCTGAGGAGCCG
 GCAGAGAAGGAGGACCTGCTACAGCAGATGCTGGAGAGGAGATACACTCCCTACCCCAACCTATACCCTG
 ACCAGTCCCCGAGTGAAGACTGGACCATGGAGGAGCGTTTCCGTCCGCTGACCTTTCACGGCCTTGTCT
 CGCTCTCAGCTTGTACCCTGCTTGTCCGAGGAGTGTGCTATTGCGAAAGTCAGTCCAGTGCAGGCCAA
 CCAGCTTTTCTTACGCTGAGATGGCTGAGGACTACCCGCGATACCCGGACATACATGACCTGGACCTCA
 CACTGCTGAATCCCGAATGATTGTGGATGTACCCCATATATGAATCCTTACCATTACCCTCTCCCC
 CAACACCCATGTTTCTCAAGTGTCAACCTGTTTCAAGACCATGGGCTGCGCCACTTGCCTGTGGTGAAT
 GCAGTAGGAGAGATCGTGGGGATCATTACAGGCACAACCTGACAAATGAATTCCTGCAGGCCCGGCTGC
 GGCAGCATTACCAGACCCT**TGA**

ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_011929
Insert Size: 2613 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_011929.3 , NP_036059.1
RefSeq Size:	5198 bp
RefSeq ORF:	2613 bp
Locus ID:	26372
UniProt ID:	O35454
Cytogenetics:	4 78.67 cM
Gene Summary:	This gene encodes a member of the ClC chloride channel and transporter family of proteins. The encoded protein may function as a vesicular Cl ⁻ /H ⁺ antiporter. Homozygous knockout mice exhibit decreased pain sensitivity, behavioral abnormalities and features of lysosomal storage disease. [provided by RefSeq, Aug 2015]