

Product datasheet for **MR210742**

Clcn7 (NM_011930) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn7 (NM_011930) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clcn7
Synonyms:	CIC-7; D17Wsu51e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

ORF Nucleotide
Sequence:

>MR210742 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCCAACGCTCTAAGAAAGTGTCTTGGTCCGGCCGAGATCGCGATGATGAGGAGGGGGCCCACTGC
TTCGAAGGACAGGGCAGCCTGACGAGGAGACGCCGCTGCTGAACGGAGCTGGGCCGGCGCGCCAGTC
TCATTCTGCACTGTTCCGAATCGGACAGATGAACAACGTGGAGCTGGATGACGAGCTCCTGGACCCGGAA
GTCGATCCTCCTCACACCTTCCCAAGGAGATTCCACACAACGAGAAGCTCCTCTCCCTCAAGTATGAGA
GCCTGGACTATGACAACAGCGAGAATCAGCTCTTCTGGAGGAGGAAAGACGAATCAACCACACGGCTTT
CCGGACAGTGGAGATCAAGCGTGGGTTATCTGTGCCCTCATTGGAATCCTCACAGGCCTAGTAGCCTGC
TTCATTGACATTGATGGAGAACCTGGCAGGCCTCAAGTACCGCGTCATCAAGGACAACATTGACAAGT
TCACAGAGAAGGGCGGCCTGTCTTCTCCCTCCTGCTGTGGGCCACGCTGAACTCTGCCTTCGTA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>MR210742 protein sequence

Red=Cloning site Green=Tags(s)

MANVSKKVSWSGRDRDDEEGAPLLRRTGQPDEETPLLNAGAGPGARQSHSALFRIGQMNNVELDDELLDPE
VDPPTHFPKEIPHNEKLLSLKYESLDYDENSEQLFLEEERRINHTAFRTVEIKRWICALIGILTGLVAC
FIDIVVENLAGLKYRVIKDNIDKFTEKGLSFSLLLWATLNSAFVLVGSVIVAFIEPVAAGSGIPQIKCF
LNGVKIPHVVRLKTLVIKVSIVL SVVGGGLAVGKEGPMIHSGSVIAAGISQGRSTSLKRDFKIFEYFRRD
TEKRDFVSAGAAAGVSAAFGAPVGGVLFLEEGASFVNQFLTWRIFFASMISTFTLNFVLSIYHGNMWDL
SSPGLINFRFDSEKMAYTIHEIPVFIAMGVVGGILGAVFNALNYWLTFRIRYIHRPCLQVIEAMLVAA
VTATVAFVLIYSSRDCQPLQGSSMSYPLQLFCADGEYNSMAAAFFNTPEKSVVSLFHDPPGSYNPMTLGL
FTLVYFFLACWTYGLTVSAGVFIPLLLIGAAWGRLFGISLSYLTGAAIWADPGKYALMGAAAQLGGIVRM
TSLTLVIMMEATSNVTYGFPIMLVMTAKIVGDVFI EGLYDMHIQLQSVPLHWEAPVTSLSLTAREVMS
TPVTCLRRREKVGIIVDVLSDTASNHNHGFVVEDVGDTPARLQGLILRSQLIVLLKHKVFVERSNMGLV
QRRRLRLKDFRDAYPRFPIQSIHVSQDERECTMDLSEFMNPSPTYVPQEASLPRVFKLFRALGLRHLVVV
DNHNQVVGLVTRKDLARYRLGKGGLEELSLAQT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:



ACCN: NM_011930

ORF Size: 2412 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_011930.4](#), [NP_036060.1](#)

RefSeq Size: 4063 bp

RefSeq ORF: 2412 bp

Locus ID: 26373

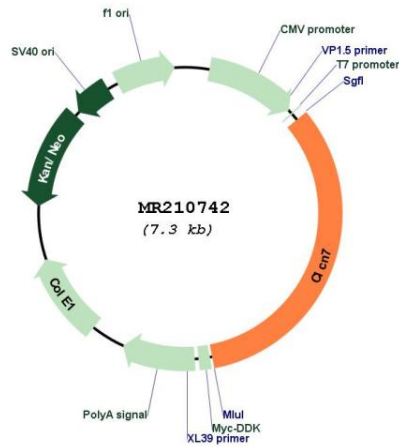
UniProt ID: [O70496](#)

Cytogenetics: 17 12.53 cM

MW: 88.7 kDa

Gene Summary: Slowly voltage-gated channel mediating the exchange of chloride ions against protons. Functions as antiporter and contributes to the acidification of the lysosome lumen. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR210742