

## Product datasheet for **MR231199**

### Clcn5 (NM\_001243762) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Clcn5 (NM_001243762) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Clcn5
Synonyms:	5430408K11Rik; Clc-5; Clc4-1; Clc5; Clcn4-1; D930009B12Rik; DXImx42e; Sfc13; T25545
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide  
Sequence:

>MR231199 representing NM\_001243762  
 Red=Cloning site Blue=ORF Green=Tags(s)

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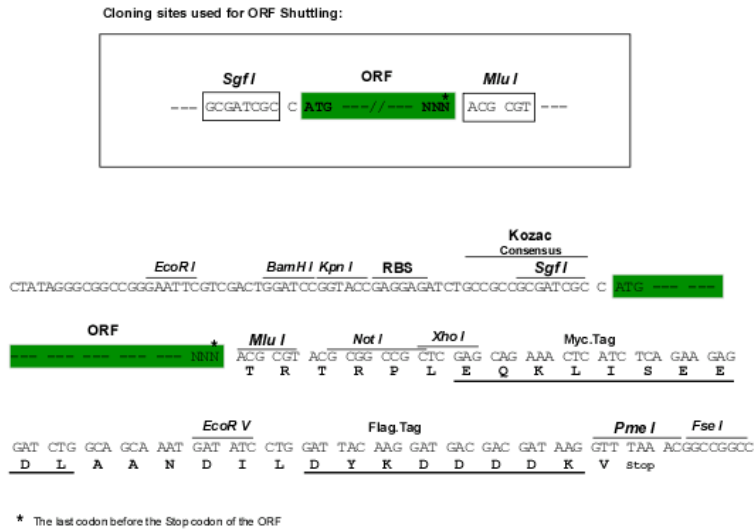
**Protein Sequence:** >MR231199 representing NM\_001243762  
 Red=Cloning site Green=Tags(s)

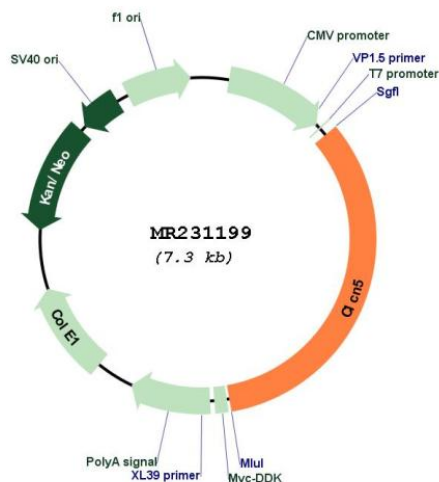
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 FMYVLWALLFAFLAVSLVKAFAPYACGSGIPEIKTILSGFIIRGYLGKWTLVIKTITLVLAVSSGLSLGK  
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TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** Sgfl-MluI

**Cloning Scheme:**



**Plasmid Map:**


**ACCN:** NM\_001243762

**ORF Size:** 2448 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\\_001243762.1](#), [NP\\_001230691.1](#)

**RefSeq Size:** 4170 bp

**RefSeq ORF:** 2451 bp

**Locus ID:** 12728

**UniProt ID:** [Q9WVD4](#)

**Cytogenetics:** X 3.21 cM

**MW:** 91.2 kDa

**Gene Summary:** 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]