

# Product datasheet for MR226976

### Cldn10 (NM\_023878) Mouse Tagged ORF Clone

### **Product data:**

#### OriGene Technologies, Inc.

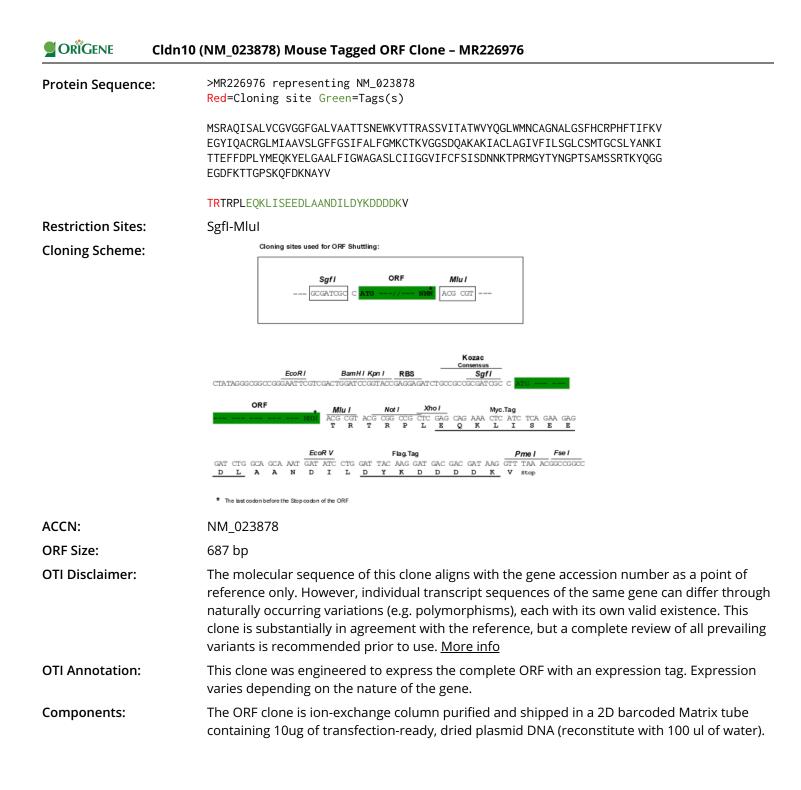
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	Cldn10 (NM_023878) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cldn10
Synonyms:	6720456l16Rik; Cldn; Cldn1; Cldn10a; Cldn10b; D14Ertd728; D14Ertd728e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>&gt;MR226976 representing NM_023878 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGTCCAGGGCACAGATCTCAGCTCTGGTGTGTGGTGTTGGAGGGTTTGGTGCTCTCGTCGCCACCA CATCCAACGAATGGAAAGTGACCACCCGAGCGTCGTCTGTGATTACCGCCACCTGGGTTTACCAGGGTCT

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG**GTTTAA** 



This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US



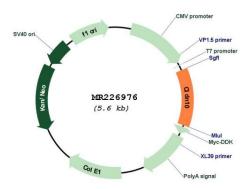
This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US

### **Cidn10 (NM\_023878) Mouse Tagged ORF Clone – MR226976**

Reconstitution Method:	<ol> <li>Centrifuge at 5,000xg for 5min.</li> <li>Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>Close the tube and incubate for 10 minutes at room temperature.</li> <li>Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
RefSeq:	<u>NM 023878.3, NP 076367.2</u>
RefSeq Size:	1200 bp
RefSeq ORF:	690 bp
Locus ID:	58187
UniProt ID:	<u>Q9Z0S6</u>
Cytogenetics:	14 62.55 cM
MW:	24.9 kDa
Gene Summary:	This intronless gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight unction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. Six alternatively spliced transcript variants have been identified, which encode different isoforms with distinct electric charge of the first extracellular loop and with or without the fourth transmembrane region. These isoforms exhibit distinct localization and function in paracellular anion or cation permeability.

[provided by RefSeq, Aug 2010]

## **Product images:**



Circular map for MR226976

This product is to be used for laboratory only. Not for diagnostic or therapeutic use. ©2024 OriGene Technologies, Inc., 9620 Medical Center Drive, Ste 200, Rockville, MD 20850, US