

Product datasheet for MR224818

Cldn4 (NM_009903) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

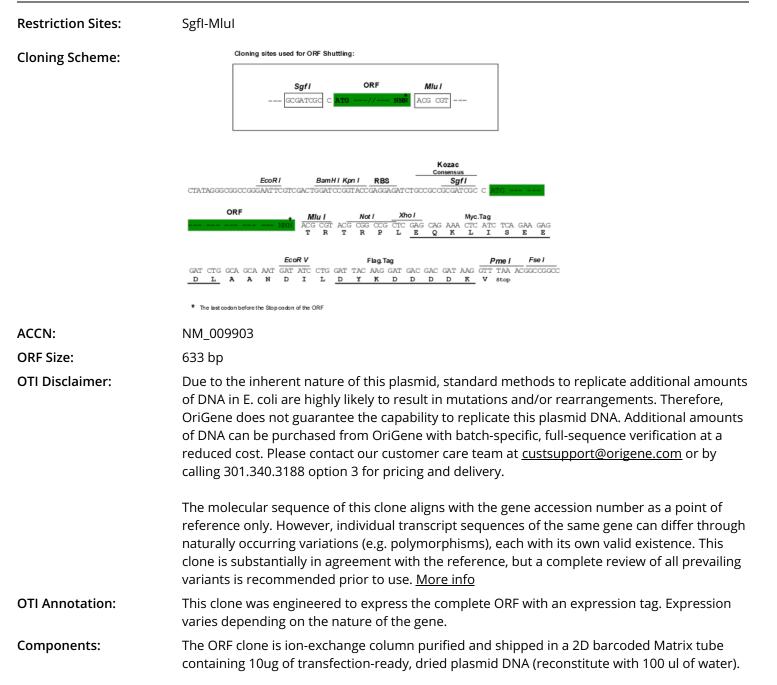
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	Cldn4 (NM_009903) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cldn4
Synonyms:	Cep-r; Cpe; Cpet; Cpetr; Cpetr1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>MR224818 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCGTCTATGGGACTACAGGTCCTGGGAATCTCCTTGGCAGTCCTGGGCTGGCT
Protein Sequence:	>MR224818 protein sequence Red=Cloning site Green=Tags(s) MASMGLQVLGISLAVLGWLGIILSCALPMWRVTAFIGSNIVTAQTSWEGLWMNCVVQSTGQMQCKMYDSM LALPQDLQAARALMVISIIVGALGMLLSVVGGKCTNCMEDETVKAKIMITAGAVFIVASMLIMVPVSWTA
	HNVIRDFYNPMVASGQKREMGASLYVGWAASGLLLLGGGLLCCSCPPRSNDKPYSAKYSAARSVPASNYV



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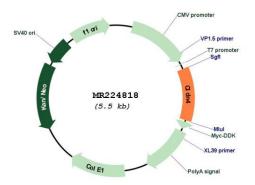


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ORIGENE Cldn4	(NM_009903) Mouse Tagged ORF Clone – MR224818
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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:	<u>NM 009903.2, NP 034033.1</u>
RefSeq Size:	1827 bp
RefSeq ORF:	633 bp
Locus ID:	12740
UniProt ID:	<u>O35054</u>
Cytogenetics:	5 74.9 cM
MW:	22.3 kDa
Gene Summary:	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction 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. The protein encoded by this gene is a high-affinity receptor for

signal transductions. The protein encoded by this gene is a high-affinity receptor for clostridium perfringens enterotoxin (CPE) produced by the bacterium Clostridium perfringens, and the interaction with CPE results in increased membrane permeability by forming small pores in plasma membrane. This protein augments alveolar epithelial barrier function and is induced in acute lung injury. It is highly expressed in pancreatic and ovarian cancers. [provided by RefSeq, Aug 2010]

Product images:



Circular map for MR224818

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