

Product datasheet for MR225359

Cldn7 (NM_001193619) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

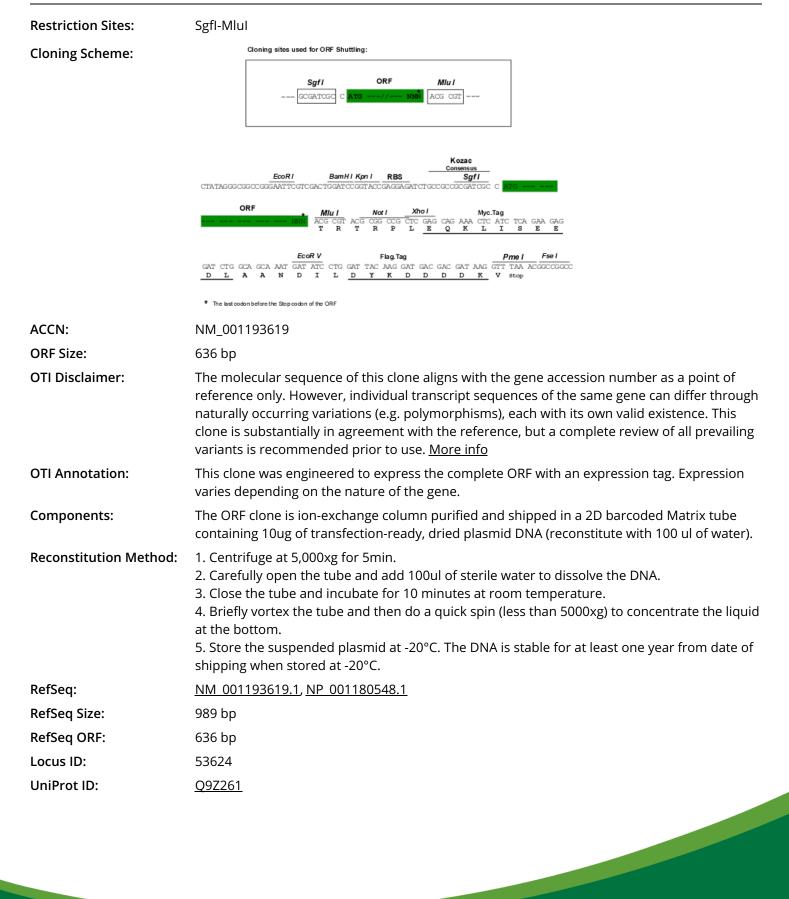
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	Cldn7 (NM_001193619) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cldn7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR225359 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCCAACTCGGGCCTGCAACTGCTGGGCTTTTCAATGGCCATGCTTGGCTGGGTGGG
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	>MR225359 protein sequence <mark>Red</mark> =Cloning site Green=Tags(s)
	MANSGLQLLGFSMAMLGWVGLIASTAIPQWQMSSYAGDNIITAQAMYKGLWMECVTQSTGMMSCKMYDSV LALPGALQATRALMVVSLVLGFLAMFVATMGMKCTRCGGDDKAKKARIAMTGGIVFIVAGLAALVACSWI GHQIVTDFYNPLTPMNVKYEFGPAIFIGWAGSALVLLGGALLSCSCPGSESKAAYRAPRSYPKSNSSKEY V
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV



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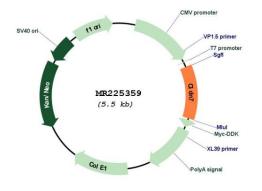
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Cytogenetics:	11 B3
MW:	22.4 kDa
Gene Summary:	This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes 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. This gene is expressed constitutively in the mammary epithelium throughout development, and might be involved in vesicle trafficking to the basolateral membrane. It is essential for NaCl homeostasis in distal nephrons. The knockout mice lacking this gene showed severe salt wasting, chronic dehydration, and growth retardation, and died within 12 days after birth. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Aug 2010]

Product images:



Circular map for MR225359

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