

Product datasheet for MR202414

Cldn9 (NM_020293) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Cldn9 (NM_020293) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Cldn9
Synonyms:	nmf32; nmf329
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR202414 representing NM_020293 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCTTCCACTGGCCTTGAACCTCGGCATGACCCCTGGCTGTGCTAGGCTGGCTAGGAACTTTGGTGT
CCTGTGCCCTGCCACTGTGGAAGGTGACCGCCTTCATCGGCAACAGCATCGTTGTGGCCCAAGTGGTATG
GGAGGGGCTGTGGATGTCCTGTGTGGTCCAGAGCACTGGCCAGATGCAGTGCAAAGTATACGACTCACTG
CTGGCGCTGCCCCAGGACCTGCAGGCAGCCAGAGCCCTCTGTGTCGTGGCCCTCCTGCTGGCTTTGCTGG
GCCTGCTGGTGGCTATCACGGGCGCCAGTGCACCACGTGTGGAGGACGAAGGTGCCAAGGCCGTAT
CGTACTACCGCAGGGGTCTCCTCCTCCTCTCGGGCATTGTTGGTGTCTATCCCTGTCTGCTGGACAGCC
CATGCCATCATCCAGGATTTTTATAACCCACTGGTTGCGGAAGCCCTCAAGAGAGAACTGGGGGCTTCCC
TCTACCTGGGCTGGGCTGCCGCTGCCCTGCTCATGCTAGGGGGAGGGCTCCTCTGCTGTACGTGTCCCC
GTCACACTTTGAGCGTCCCCGCGGCCCCAGGCTGGGCTACTCCATCCCTTCCCGTTCAGGTGCTTCGGGA
CTGGATAAGAGGGACTATGTG

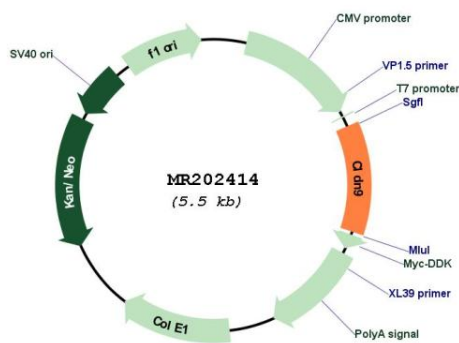
ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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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:	<ol style="list-style-type: none"> 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:	<u>NM_020293.3</u> , <u>NP_064689.2</u>
RefSeq Size:	1443 bp
RefSeq ORF:	654 bp
Locus ID:	56863
UniProt ID:	<u>Q9Z0S7</u>
Cytogenetics:	17 A3.3
MW:	23.3 kDa
Gene Summary:	This intronless 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 developmentally regulated; it is expressed in neonate kidney, but disappears by adulthood. It is required for the preservation of sensory cells in the hearing organ and the gene deficiency is associated with deafness. [provided by RefSeq, Aug 2010]

Product images:



Circular map for MR202414