

Product datasheet for **RR202050**

Cldn2 (NM_001106846) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cldn2 (NM_001106846) Rat Tagged ORF Clone
Tag: Myc-DDK
Symbol: Cldn2
Synonyms: RGD1560247
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RR202050 representing NM_001106846
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCCTCCCTTGGCGTCCAACCTGGTGGGCTACATCCTAGGCCTTTTGGGGCTATTAGGCACATCGATTG
CCATGCTGCTCCCAACTGGCGAACAAGTTCTTATGTTGGTGCCAGCATTGTGACGGCGGTTGGCTTTTC
CAAGGGCCTCTGGATGGAGTGTGCGACCCACAGCACTGGCATCACCCAGTGTGATATCTACAGTACTCTT
TTAGGACTTCTGCTGACATCCAGGCTGCCAGGCCATGATGGTGACATCCAGTGAATGTCTCGCTGG
CCTGCATTATCTCTGTGGTGGGCATGAGATGCACAGTGTCTGCCAGGAATCTCGAGCTAAGGACAGAGT
GGCTGTAGTGGGTGGAGTCTTTTTCATCCTTGGTGGTATCCTGGGTTTTATCCCAGTTGCTTGAATCTT
CACGGCATTCTCCGGGACTTCTACTCACCCTGGTCCCTGACAGCATGAAATTTGAGATTGGAGAAGCTC
TGACTTGGGAATCATTTACGCGCTGTTTTCTTGGTAGCTGGAGTCATCCTCTGCTTTTCTGCTCACC
TCAGGGAAATCGTACCACTACTATGATGGCTACCAGGCCAGCCTTTGCCACTAGGAGCTCTCCAAGA
TCTGCTCAACAGCCAAAGCCAAGAGTGAGTTCAACTCATACAGCCTGACTGGGTATGTG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR202050 representing NM_001106846
 Red=Cloning site Green=Tags(s)

MASLGVQLVGYILGLLGLLGTSIAMLLPNWRTSSVYGASIVTAVGFSGKGLWMECATHSTGITQCIDIYSTL
 LGLPADIQAAQAMMVTSSAMSSLACIISVVGMRCTVFCQESRAKDRVAVVGGVFFILGGILGFIPVAVNL
 HGILRDFYSPLVPDSMKFEIGEALYLGIISALFSLVAGVILCFSCSPQGNRTNYYDGYQAQPLATRSSPR
 SAQQPKAKSEFNYSYSLTGYY

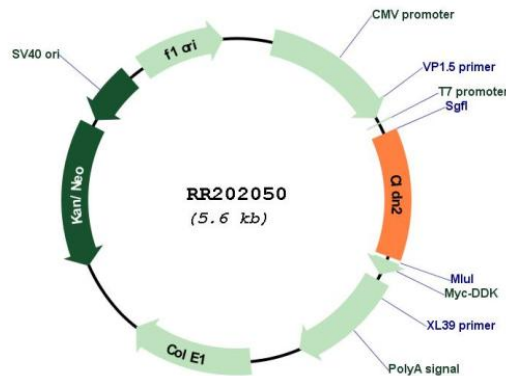
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001106846

ORF Size: 690 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:	<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:	NM_001106846.2 , NP_001100316.1
RefSeq Size:	3052 bp
RefSeq ORF:	693 bp
Locus ID:	300920
Cytogenetics:	Xq32
MW:	24.5 kDa