

Product datasheet for **RR210808**

Cldn10 (NM_001106058) Rat Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
 Product Name: Cldn10 (NM_001106058) Rat Tagged ORF Clone
 Tag: Myc-DDK
 Symbol: Cldn10
 Mammalian Cell Selection: Neomycin
 Vector: pCMV6-Entry (PS100001)
 E. coli Selection: Kanamycin (25 ug/mL)
 ORF Nucleotide Sequence: >RR210808 representing NM_001106058
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGTCCAGGGCGCAGATCTCAGCTCTGGTGTGTGGCGTTGGAGGGTTTGGTGCTCTTGTCGCTGCCACCA
 CATCCAATGAATGGAAAGTGACCACCCGAGCATCGTCCGTGATAACCGCCACCTGGGTTTACCAGGGTCT
 GTGGATGAACTGCGCAGCCGGCAGCATGGCTAGCACGGCCTTGAAATCATCGCCTTCGTCGTCTCCATC
 TCGGGCTGGGTGCTGGTGTCTTCCACACTACCCACCGACTACTGGAAGGTCTCCACCATCGATGGCACTG
 TCATCACCACCGCCACTTATTTTGCCAACTGTGGAAGATGTGCGTTACCGATTCCACCGGTGTCGCCAA
 CTGCAAGGACTTCCCCTCCATGCTGGCGCTGGATGGTTACATCCAGGCGTGTAGAGGACTAATGATTGCC
 GCGGTCAGCCTGGGCTTCTCGGTTCCATTTTGCACCTTTTGAATGAAGTGTACCAAAGTCGGAGGCT
 CGGATAAAGCCAAAGCTAAGATTGCTTGGCTGGGTTGTATTTCATATTGTCAGGTCTGTGTTCCAT
 GACGGGCTGTTCCCTGTACGCGAACAATAACCAACCGAATTCTTTGATCCCCTCTTTATGGAGCAAAAAG
 TATGAATTGGGGCTGCCCTCTTCATCGGATGGCAGGAGCTTCTCTGCATCATTGGCGGTGTCATAT
 TTTGCTTTTCAATATCCGACAACAACAAAACCCAGAATGGGCTACACGTACAATGGACCCACGTCAGT
 CATGTCTTCCCGACCAAGTATCAAGGCGGAGAAGGAGATTTTAAACCACAGGCCCTTCAAACAGTTT
 GATAAAAATGCCTATGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RR210808 representing NM_001106058
 Red=Cloning site Green=Tags(s)

MSRAQISALVCGVGGFGALVAATTSNEWKVTRASSVITATWVYQGLWMNCAAGSMASALEIIAFVVSISG
 WVLVSSTLPTDYWKVSTIDGTVITTATYFANLWKMCVTDSTGVANCKDFPMSMLALDGYIQACRGLMIA
 AVSLGFFGSIFALFGMKCTKVGGSDKAKAKIACLAGVVFILSGLCSMTGCSLYANKITTEFFDPLFMEQK
 YELGAALFIGWAGASLCIIGGVIFCFISIDNNKTPRMGYTYNGPTSMSSRTKYQGEGDFKTTGPSKQF
 DKNAYV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001106058

ORF Size: 858 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:

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_001106058.1](#), [NP_001099528.1](#)

RefSeq Size: 1331 bp

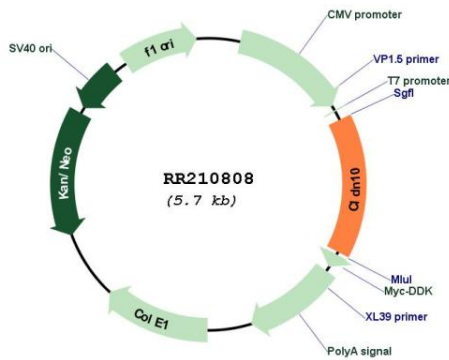
RefSeq ORF: 861 bp

Locus ID: 290485

Cytogenetics: 15q24

MW: 30.4 kDa

Product images:



Circular map for RR210808