*h*CLDN17 VersaClone cDNA

Catalog Number: RDC0093

Specifications:

Gene:	*h*CLDN17
Accession:	NP_036263
Insert size:	688bp
Package size:	10µg at 0.2µg/µL

Description

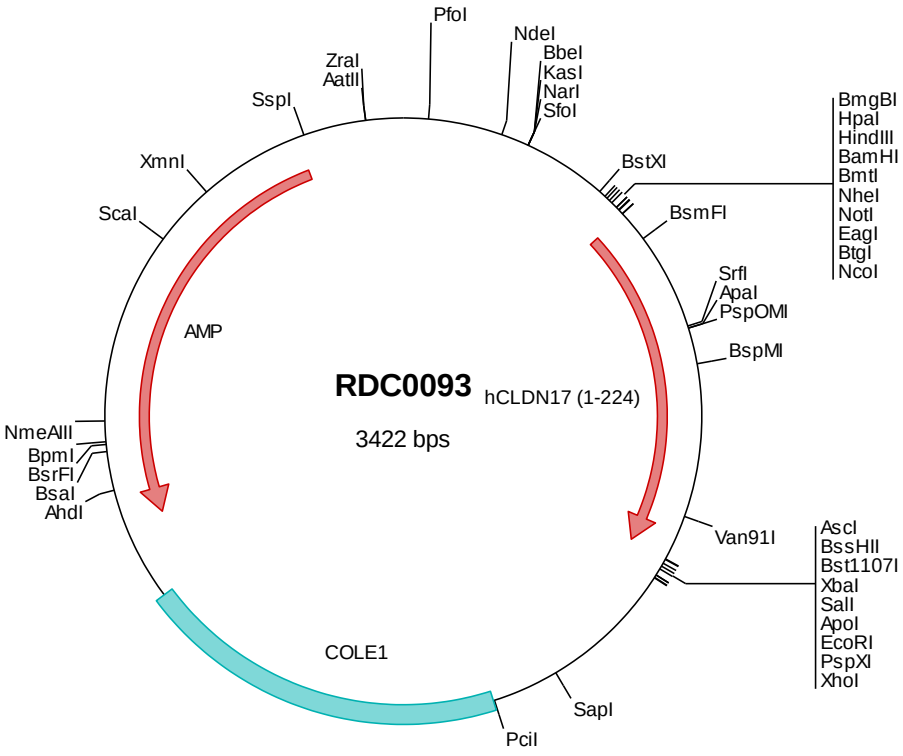
This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*CLDN17 cDNA Plasmid

CLDN17 claudin 17 [*Homo sapiens*]



Summary:
CLDN17 is 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.

> RDC0093 Plasmid DNA Sequence

```
   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggcatttt atcccttgca aattgctggg ctggttcttg ggttccttgg
 501  catggtgggg actcttgcca caacccttct gcctcagtgg agagtatcag cttttgttgg cagcaacatt attgtctttg agaggctctg ggaagggctc
 601  tggatgaatt gcatccgaca agccagggtc cggttgcaat gcaagttcta tagctccttg ttggctctcc cgcctgccct ggaaacagcc cgggccctca
 701  tgtgtgtggc tgttgctctc tccttgatcg ccctgcttat tggcatctgt ggcatgaagc aggtccagtg cacaggctct aacgagaggg ccaaagcata
 801  ccttctggga acttcaggag tcctcttcat cctgacgggc atcttcgttc tgattccggt gagctggaca gccaatataa tcatcagaga tttctacaac
 901  ccagccatcc acataggtca gaaacgagag ctgggagcag cacttttcct tggctgggca agcgctgctg tcctcttcat tggagggggt ctgctttgtg
1001  gattttgctg ctgcaacaga aagaagcaag ggtacagata tccagtgcct ggctaccgtg tgccacacac agataagcga agaaatacga caatgcttag
1101  taagacctcc accagttatg tctaaaggcg cgccagtata ctctagagtc gacacccggg gaattcctcg agcgctcgtc tctagcttgg cgtaatcatg
1201  gtcatagctg tttcctgtgt gaaattgtta tccgctcaca attccacaca acatacgagc cggaagcata aagtgtaaag cctggggtgc ctaatgagtg
1301  agctaactca cattaattgc gttgcgctca ctgcccgctt tccagtcggg aaacctgtcg tgccagctgc attaatgaat cggccaacgc gcggggagag
1401  gcggtttgcg tattgggcgc tcttccgctt cctcgctcac tgactcgctg cgctcggtcg ttcggctgcg gcgagcggta tcagctcact caaaggcggt
1501  aatacggtta tccacagaat caggggataa cgcaggaaag aacatgtgag caaaaggcca gcaaaaggcc aggaaccgta aaaaggccgc gttgctggcg
1601  tttttccata ggctccgccc ccctgacgag catcacaaaa atcgacgctc aagtcagagg tggcgaaacc cgacaggact ataaagatac caggcgtttc
1701  cccctggaag ctccctcgtg cgctctcctg ttccgaccct gccgcttacc ggatacctgt ccgcctttct cccttcggga agcgtggcgc tttctcaatg
1801  ctcacgctgt aggtatctca gttcggtgta ggtcgttcgc tccaagctgg gctgtgtgca cgaaccccc gttcagcccg accgctgcgc cttatccggt
1901  aactatcgtc ttgagtccaa cccggtaaga cacgacttat cgccactggc agcagccact ggtaacagga ttagcagagc gaggtatgta ggcggtgcta
2001  cagagttctt gaagtggtgg cctaactacg gctacactag aaggacagta tttggtatct gcgctctgct gaagccagtt accttcggaa aaagagttgg
2101  tagctcttga tccggcaaac aaaccaccgc tggtagcggt ggtttttttg tttgcaagca gcagattacg cgcagaaaaa aaggatctca agaagatcct
2201  ttgatctttt ctacggggtc tgacgctcag tggaacgaaa actcacgtta agggattttg gtcatgagat tatcaaaaag gatcttcacc tagatccttt
2301  taaattaaaa atgaagtttt aaatcaatct aaagtatata tgagtaaact tggtctgaca gttaccaatg cttaatcagt gaggcaccta tctcagcgat
2401  ctgtctattt cgttcatcca tagttgcctg actccccgtc gtgtagataa ctacgatacg ggagggctta ccatctggcc ccagtgctgc aatgataccg
2501  cgagacccac gctcaccggc tccagattta tcagcaataa accagccagc cggaagggcc gagcgcagaa gtggtcctgc aactttatcc gcctccatcc
2601  agtctattaa ttgttgccgg gaagctagag taagtagttc gccagttaat agtttgcgca acgttgttgc cattgctaca ggcatcgtgg tgtcacgctc
2701  gtcgtttggt atggcttcat tcagctccgg ttcccaacga tcaaggcgag ttacatgatc ccccatgttg tgcaaaaaag cggttagctc cttcggtcct
2801  ccgatcgttg tcagaagtaa gttggccgca gtgttatcac tcatggttat ggcagcactg cataattctc ttactgtcat gccatccgta agatgctttt
2901  ctgtgactgg tgagtactca accaagtcat tctgagaata gtgtatgcgg cgaccgagtt gctcttgccc ggcgtcaata cgggataata ccgcgccaca
3001  tagcagaact ttaaaagtgc tcatcattgg aaaacgttct tcggggcgaa aactctcaag gatcttaccg ctgttgagat ccagttcgat gtaacccact
3101  cgtgcaccca actgatcttc agcatctttt actttcacca gcgtttctgg gtgagcaaaa acaggaaggc aaaatgccgc aaaaaaggga ataagggcga
3201  cacggaaatg ttgaatactc atactcttcc tttttcaata ttattgaagc atttatcagg gttattgtct catgagcgga tacatatttg aatgtattta
3301  gaaaaataaa caaatagggg ttccgcgcac atttccccga aaagtgccac ctgacgtcta agaaaccatt attatcatga cattaaccta taaaaatagg
3401  cgtatcacga ggccctttcg tc
```

> RDC0093 Translated Insert Sequence

```
  1  mafyplqiag lvlgflgmvg tlattllpqw rvsafvgsni ivferlwegl wmncirqarv rlqckfyssl lalppaleta ralmcvaval slialligic
101  gmkqvqctgs nerakayllg tsgvlfiltg ifvlipvswt aniiirdfyn paihigqkre lgaalflgwa saavlfiggg llcgfcccnr kkqgyrypvp
201  gyrvphtdkr rnttmlskts tsyv
```