

## Specifications:

Gene:	hCLDN20
Accession:	NP_001001346
Insert size:	672bp
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

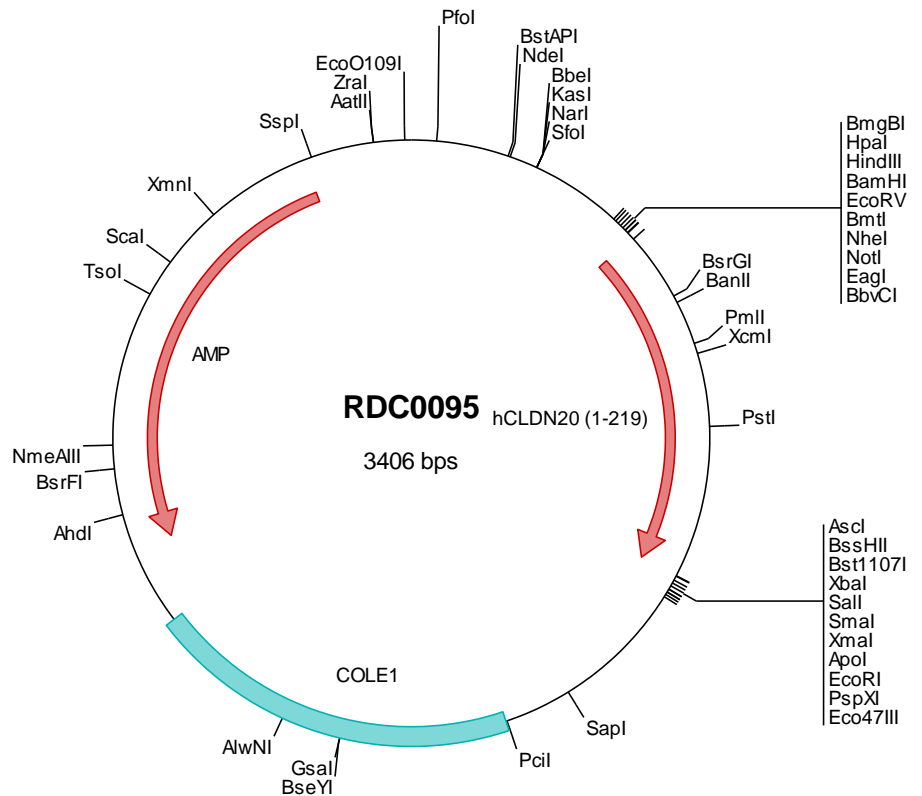
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

## hCLDN20 cDNA Plasmid

CLDN20 claudin 20 [ *Homo sapiens* ]

### Summary:

CLDN20 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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



## > RDC0095 Plasmid DNA Sequence

```
1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcagctcccg gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg tetggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gttgtaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggcc tcttcgctat
301 taaccgagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt tttcccagtc acgacgttg aaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcccacc atggcctcag caggactcca gctccttctt ttcactctgg ccttatccgg
501 ggtctctgga gtgctcacag ccactctgct gcccaactgg aaggtgaatg tggatgtgga ctccaacatc ataacagcca ttgtacagct gcacgggctc
601 tggatggact gtactgtgta cagcactggg atgttcaagc gtgcccgtgaa acactccatt ctgtccctcc ccatccagct gcaggctgcg agagccacca
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1801 ctcagttcgg tgtaggtcgt tcgctccaag ctgggctgtg tgcacgaacc cccgcttccg cccgaccgct gcgcttctc cgttaactat cgtcttgagt
1901 ccaacccggt aagacacgac ttatcgccac tggcagcagc cactggtaac aggtattgca gagcaggtg tgtagggcgt gctacagagt tcttgaagtg
2001 gtggcctaac tacggctaca ctagaaggac agtatttggg atctgcgctc tgctgaagcc agttacctc ggaaaaagag ttggtagctc ttgatccggc
2101 aaacaaacca ccgctgtag cgtgtgtttt ttgtgttgc agcagcagat tacgcccaga aaaaaaggat ctcaagaaga tcttttgatc ttttctacgg
2201 ggtctgacgc tcagtggaac gaaaactcac gttaaaggat tttgtctatg agattatcaa aaaggatctt cacctagatc cttttaaatt aaaaatgaag
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2401 tccatagttg cctgactccc cgtcgtgtag ataactacga tacgggaggg cttaccatct ggccccagtg ctgcaatgat accgagagac ccacgctcac
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3001 gtgctcatca ttggaaaacg ttcttcgggg cgaaaactct caaggatctt accgctgttg agatccagtt cgatgtaacc cactcgtgca cccaactgat
3101 cttcagcctc ttttactttc accagcgttt ctgggtgagc aaaaacagga aggcaaaatg ccgcaaaaaa gggaaataagg gcgacacgga aatgttgaat
3201 actcactac ttcccttttc aatattattg aagcatttat cagggttatt gtctcatgag cggatacata tttgaatgta tttagaaaaa taacaaata
3301 ggggttccgc gcacatttcc ccgaaaagtg ccacctgacg totaagaaac cattattatc atgacattaa cctataaaaa taggcgtatc acgaggccct
3401 ttcgctc
```

## > RDC0095 Translated Insert Sequence

```
1 masaglqla filalsvsg vltatllpnw kvnvdvdsni itaivqlhgl wmdctwystg mfscalkhsi lslpilhvqaa ratmvlacvl salgictstv
101 gmkctrlggd retkshasfa gvcfmsagi sstlistvwyt keiaanfldl tvpesnkhep ggaiyigfis amllfismgi fctscikrnp earldpqtqg
201 pisntqlenn sthnlkdy
```