

Specifications:

Gene:	hCLDN22
Accession:	NP_001104789
Insert size:	675bp
Concentration:	10µg at 0.2µg/µL

hClaudin-22 cDNA Plasmid

CLDN22 claudin 22 [*Homo sapiens*]

Also known as: CLDN21

Summary:

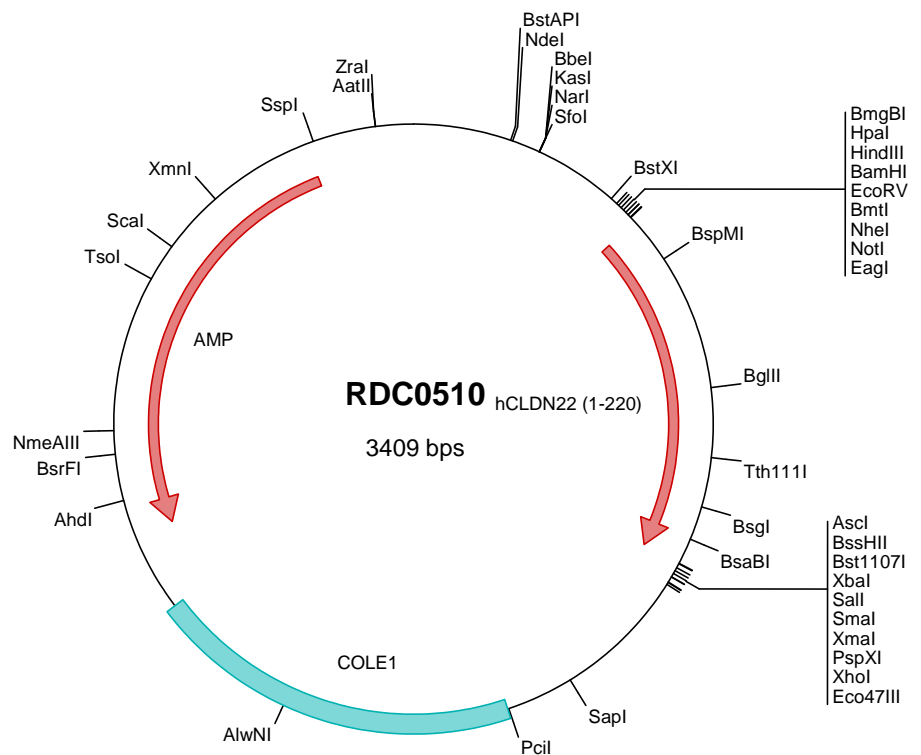
Claudins, such as CLDN22, are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions.

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.





> RDC0510 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgcc accatattgcg gtgtgaaata
201 ccgcacacagat gcgtaaggag aaaataaccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcggggcc tcttcgctat
301 taaggccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccagtc acgacgttggt aaaacgacgg ccaagtgaatt
401 ggagacgtgt taacaagcctt ggatccgata tcgctagcgc ggccgccacc atggctttag tatttagaac tgtagctcaa ctagctggag tttcattatc
501 tttgctggga tgggttttat cctgtcttac aaactacctg ccacactgga agaacctcaa cctggactta aatgaaatgg aaaactggac catgggactc
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1701 cctcgtgccc tctcctgttc cgaccctgcc gcttaccgga tacctgtccc cctttctccc ttcgggaaagc gtggcgcttt ctcaatgctc acgctgtag
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2101 ggcaaacaaa ccaccgctgg tagcgggtgt tttttgttt gcaagcagca gattacgccc agaaaaaaag gatctcaaga agatcctttg atcttttcta
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3301 ataggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt atcacaggc
3401 cctttctgct

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> RDC0510 Translated Insert Sequence

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1 malvfrtvaq lagvslslwg wvlscltnyl phwklnldl nemenwtmgl wqtcviqueev gmqckdfdsf lalpaelrsv rilmflsnlg gflgllvsgf
101 gldclriges qrdlkrllli lggilswasg vtalvpvswv ahktvqefwd envpdfvprw efgealflgw faglslllwg cllhcaacsv haplasghya
201 vaqtqdhqe letrntnlkh

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