

Specifications:

Gene:	hCLDN10a
Accession:	NP_878268
Insert size:	704bp
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.

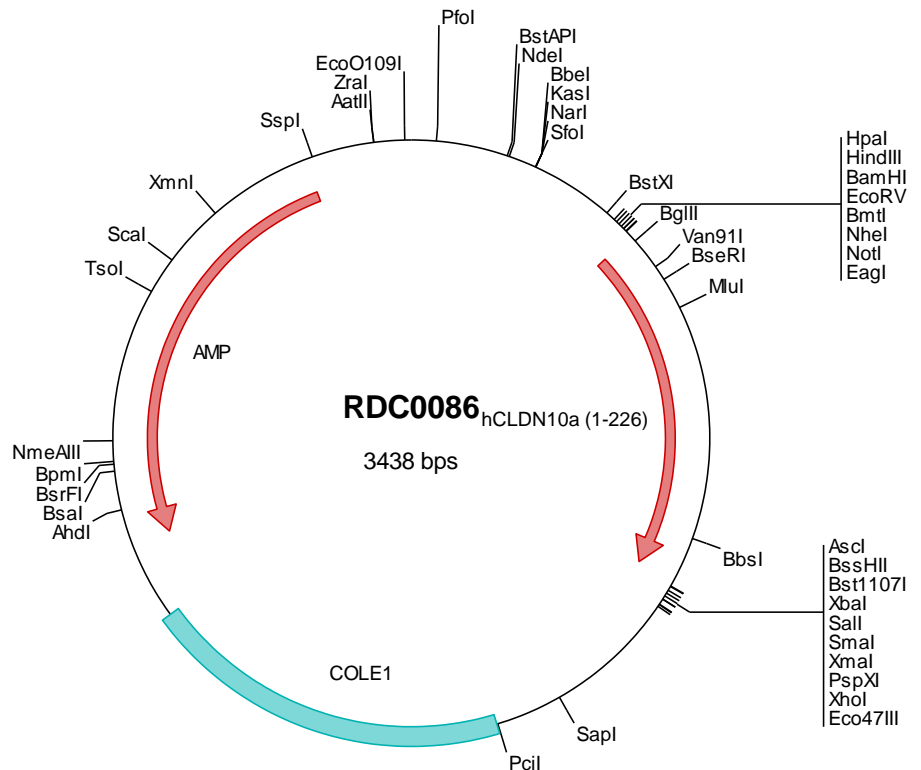
hCLDN10a cDNA Plasmid

CLDN10 claudin 10 [*Homo sapiens*]

Also known as: OSP-L; CPETRL3

Summary:

CLDN10 is a multipass membrane protein in the Claudin family of epithelial tight junction proteins. Two splice forms of human CLDN10 have been described with a divergent N-terminal extracellular loop. CLDN10b is relatively cation-permeant compared to CLDN10a and is widely expressed, while CLDN10a is restricted to the kidney cortex. CLDN10 is overexpressed in some carcinomas. Overexpression of CLDN10 conferred malignant phenotypes to hepatocellular carcinoma cells, Hep3B, which lack CLDN10 expression, by promoting cancer cell survival, motility, and invasiveness.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0086 Plasmid DNA Sequence

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1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gttgtaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgctc aactgttggg aaggcgatc ggtcgggcc tcttcgctat
301 taacgcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccagtc acgacgttgc aaaacgacgg ccagtgaatt
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> RDC0086 Translated Insert Sequence

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201 srtkyhgged fkttnpskqf dknayv
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