

Specifications:

Gene:	hCLDN18
Accession:	NP_001002026
Insert size:	799bp
Concentration:	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.

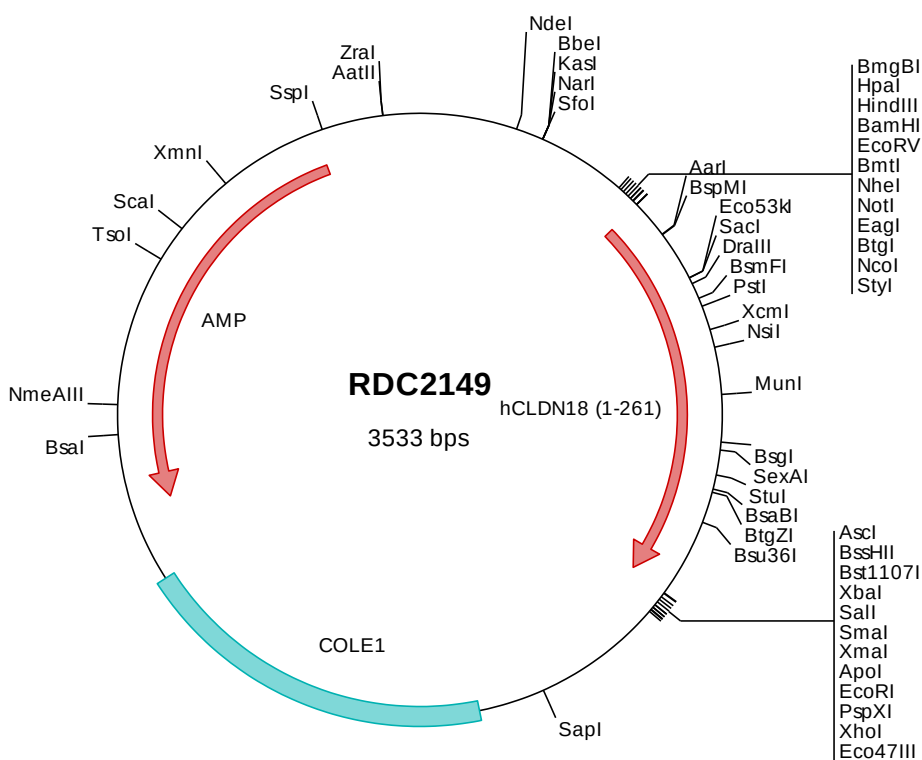
hClaudin-18 cDNA Plasmid

CLDN18 claudin 18 [*Homo sapiens* (human)]

Also known as: SFTA5; SFTPJ

Summary:

CLDN18 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. CLDN18 is upregulated in patients with ulcerative colitis and highly overexpressed in infiltrating ductal adenocarcinomas.



> RDC2149 Plasmid DNA Sequence

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> RDC2149 Translated Insert Sequence

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