

Specifications:

Gene:	hCLDN25
Accession:	NP_001094859
Insert size:	703bp
Concentration:	10µg at 0.2µg/µL

hClaudin-25 cDNA Plasmid

CLDN25 claudin 25 [*Homo sapiens*]

Summary:

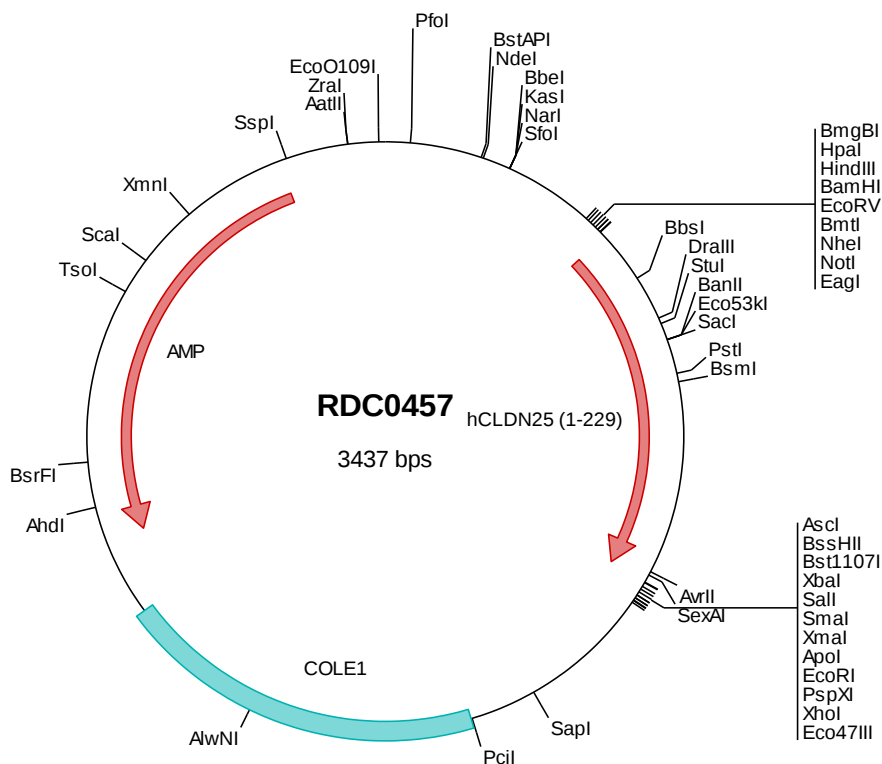
CLDN25 is a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions.

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.





> RDC0457 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tccgtagcgc gggccgccacc atggcctgga gtttcctgtc aaaagtccag ctccggggggc tacttctctc
501  cctccttggc tgggtctgct cctgtgttac caccatctg ccccgatgga agactcttaa tctggaactg aacgagatgg agacctggat catggggatt
601  tgggaggctc gcgtggatcg agaggaagtc gccactgtgt gcaaggcctt tgaatccttc ttgtctctgc ccaggagct ccaggtagcc cgcactctca
701  tggtagctcc ccatgggctg gccctattgg ggccttttgc ctgcagcttt gggctctgaat gcttccagtt tcacaggatc agatgggtat tcaagaggcg
801  gcttgggtct ctgggaagga ctttgaggc atccgcttca gccactaccc tcttccagtt ctctgggtg gcccatgcca caatocaaga cttotgggat
901  gacagcatcc ctgacatcat acctcgggtg gagtttggag gtgcctctca cttgggtctg gctgtcggta ttttctggc tcttgggtgg ctactctca
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1401 aacgcgcggg gagaggcggg ttgcgtattg ggcgctcttc cgcttctcgc ctactgact cgctgcgctc ctgcggcgag cggtatcagc
1501 tcaactcaaa ggcgtaatac ggttatccac agaatacagg gataacgcag gaaagaacat gtgagcaaaa ggccagcaaa agccagggaa ccgtaaaaag
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2101 cggaaaaaga gttggtagct cttgatccgg caaacaacc accgctggta gcggtggttt ttttgtttgc aagcagcaga ttacgcgcag aaaaaaagga
2201 tctcaagaag atcctttgat cttttctacg gggctgacg ctcagtggaa cgaaaactca cgtaaggga ttttggctcat gagattatca aaaaggatct
2301 tcacctagat ctttttaaat taaaaatgaa gttttaaatc aatctaaagt atatatgagt aaacttggtc tgacagttac caatgcttaa tcaagtggc
2401 acctatctca gcgatctgtc tatttctgtt atccatagtt gcctgactcc ccgtcgtgta gataactacg atacgggagg gcttaccatc tggccccagt
2501 gctgcaatga taccgcgaga cccacgctca ccggctccag atttatcagc aataaaccag ccagccggaa gggccgagcg cagaagtggc cctgcaactt
2601 tatccgctcc catccagctc attaatgttt gcgggaagc tagagtaagt agttcgccag ttaaatgttt gcgcaacgtt gttgccattg ctacaggcat
2701 cgtgtgtgca cgctcgtcgt ttggtatggc ttoattcagc tccggttccc aacgatcaag gcgagttaca tgatccccc tgttgtgcaa aaaagcgggt
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3101 tcgatgtaac cactcgtgc acccaactga tcttcagcat cttttacttt caccagcgtt tctgggtgag caaaaacagg aaggcaaat gccgaaaaa
3201 agggaataag ggcgacacgg aatgttgaa tactcatact cttccttttt caatatattt gaagcattta tcagggttat tgtctcatga gcggatacat
3301 atttgaatgt atttagaaaa ataaacaaat aggggttccg cgcacatttc cccgaaaagt gccacctgac gtctaagaaa ccattattat catgacatta
3401 acctataaaa ataggcgtat cagcaggccc tttcgtc
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> RDC0457 Translated Insert Sequence

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1   mawsfrakvq lggllllslg wvcscvtttl pqwktlnlel nemetwimgi wevcvdreev atvckafesf lslpqelqva rilmvashgl gllglllcsf
101  gsecfqfhrh rwwfkrrlgl lgrtleasac attllpvsww ahatiqdfwd dsipdiiprw efggalylgw aagiflalgg lllifsaclg kedvpfplma
201  gptvplscap veedsqsfhl mlrprnlvi
```