*h*CLDN6 VersaClone cDNA

Catalog Number: RDC0082

Specifications:

Gene:	*h*CLDN6
Accession:	AAK02013
Insert size:	675bp
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

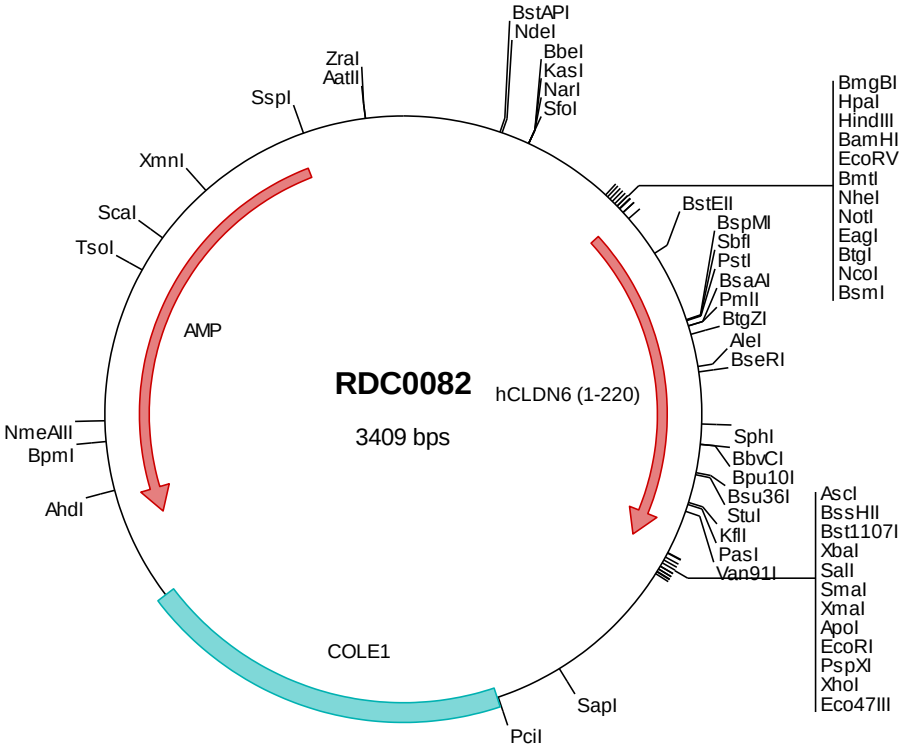
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*CLDN6 cDNA Plasmid

CLDN6 claudin 6
[*Homo sapiens*]

Also known as: Skullin 2

Summary:
CLDN6 is a multipass transmembrane protein in the Claudin family. It is expressed by epithelial cells where it participates in tissue development and the maintenance of tight junction integrity. CLDN6 is one of the entry cofactors for hepatitis C virus. The gene methylation may be involved in esophageal tumorigenesis. CLDN6 may function as a cancer suppressor. Its downregulation may contribute to the malignant progression of certain types of breast cancers.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0082 Plasmid DNA Sequence

```
   1  tcgcgcgttt cggtgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
 101  tcagggcgcg tcagcgggtg ttggcgggtg tcggggctgg cttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
 201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
 301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
 401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atggcttctg ccggaatgca gatcctggga gtcgtcctga cactgctggg
 501  ctgggtgaat ggcctggtct cctgtgccct gcccatgtgg aaggtgaccg ctttcatcgg caacagcatc gtggtggccc aggtggtgtg ggagggcctg
 601  tggatgtcct gcgtggtgca gagcaccggc cagatgcagt gcaaggtgta cgactcactg ctggcgctgc cacaggacct gcaggctgca cgtgccctct
 701  gtgtcatcgc cctccttgtg gccctgttcg gcttgctggt ctaccttgct ggggccaagt gtaccacctg tgtggaggag aaggattcca aggcccgcct
 801  ggtgctcacc tctgggattg tctttgtcat ctcaggggtc ctgacgctaa tccccgtgtg ctggacggcg catgccgtca tccgggactt ctataacccc
 901  ctggtggctg aggcccaaaa gcgggagctg ggggcctccc tctacttggg ctgggcggcc tcaggccttt tgttgctggg tgggggggttg ctgtgctgca
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1201  cctgtgtgaa attgttatcc gctcacaatt ccacacaaca tacgagccgg aagcataaag tgtaaagcct ggggtgccta atgagtgagc taactcacat
1301  taattgcgtt gcgctcactg cccgctttcc agtcgggaaa cctgtcgtgc cagctgcatt aatgaatcgg ccaacgcgcg gggagaggcg gtttgcgtat
1401  tgggcgctct tccgcttcct cgctcactga ctcgctgcgc tcggtcgttc ggctgcggcg agcggtatca gctcactcaa aggcggtaat acggttatcc
1501  acagaatcag gggataacgc aggaaagaac atgtgagcaa aaggccagca aaaggccagg aaccgtaaaa aggccgcgtt gctggcgttt ttccataggc
1601  tccgcccccc tgacgagcat cacaaaaatc gacgctcaag tcagaggtgg cgaaacccga caggactata aagataccag gcgtttcccc ctggaagctc
1701  cctcgtgcgc tctcctgttc cgaccctgcc gcttaccgga tacctgtccg cctttctccc ttcgggaagc gtggcgcttt ctcaatgctc acgctgtagg
1801  tatctcagtt cggtgtaggt cgttcgctcc aagctgggct gtgtgcacga acccccgttc agcccgacc gctgcgcctt atccggtaac tatcgtcttg
1901  agtccaaccc ggtaagacac gacttatcgc cactggcagc agccactggt aacaggatta gcagagcgag gtatgtaggc ggtgctacag agttcttgaa
2001  gtggtggcct aactacggct acactagaag gacagtattt ggtatctgcg ctctgctgaa gccagttacc ttcggaaaaa gagttggtag ctcttgatcc
2101  ggcaaacaaa ccaccgctgg tagcggtggt ttttttgttt gcaagcagca gattacgcgc agaaaaaaag gatctcaaga agatcctttg atcttttcta
2201  cggggtctga cgctcagtgg aacgaaaact cacgttaagg gattttggtc atgagattat caaaaaggat cttcacctag atccttttaa attaaaaatg
2301  aagttttaaa tcaatctaaa gtatatatga gtaaacttgg tctgacagtt accaatgctt aatcagtgag gcacctatct cagcgatctg tctatttcgt
2401  tcatccatag ttgcctgact ccccgtcgtg tagataacta cgatacggga gggcttacca tctggcccca gtgctgcaat gataccgcga gacccacgct
2501  caccggctcc agatttatca gcaataaacc agccagccgg aagggccgag cgcagaagtg gtcctgcaac tttatccgcc tccatccagt ctattaattg
2601  ttgccgggaa gctagagtaa gtagttcgcc agttaatagt ttgcgcaacg ttgttgccat tgctacaggc atcgtggtgt cacgctcgtc gtttggtatg
2701  gcttcattca gctccggttc ccaacgatca aggcgagtta catgatcccc catgttgtgc aaaaaagcgg ttagctcctt cggtcctccg atcgttgtca
2801  gaagtaagtt ggccgcagtg ttatcactca tggttatggc agcactgcat aattctctta ctgtcatgcc atccgtaaga tgcttttctg tgactggtga
2901  gtactcaacc aagtcattct gagaatagtg tatgcggcga ccgagttgct cttgcccggc gtcaatacgg gataataccg cgccacatag cagaacttta
3001  aaagtgctca tcattggaaa acgttcttcg gggcgaaaac tctcaaggat cttaccgctg ttgagatcca gttcgatgta acccactcgt gcacccaact
3101  gatcttcagc atcttttact ttcaccagcg tttctgggtg agcaaaaaca ggaaggcaaa atgccgcaaa aaagggaata agggcgacac ggaaatgttg
3201  aatactcata ctcttccttt ttcaatatta ttgaagcatt tatcagggtt attgtctcat gagcggatac atatttgaat gtatttagaa aaataaacaa
3301  atagggggttc cgcgcacatt tccccgaaaa gtgccacctg acgtctaaga aaccattatt atcatgacat taacctataa aaataggcgt atcacgaggc
3401  cctttcgtc
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> RDC0082 Translated Insert Sequence

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201  stsapaisrg pseyptknyv
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