

Specifications:

Gene:	<i>hCLDN11</i>
Accession:	NP_005593
Insert size:	636bp
Package size:	10µg at 0.2µg/µL

*h*CLDN11 cDNA Plasmid

CLDN11 claudin 11 [*Homo sapiens*]

Also known as: OSP; OTM

Summary:

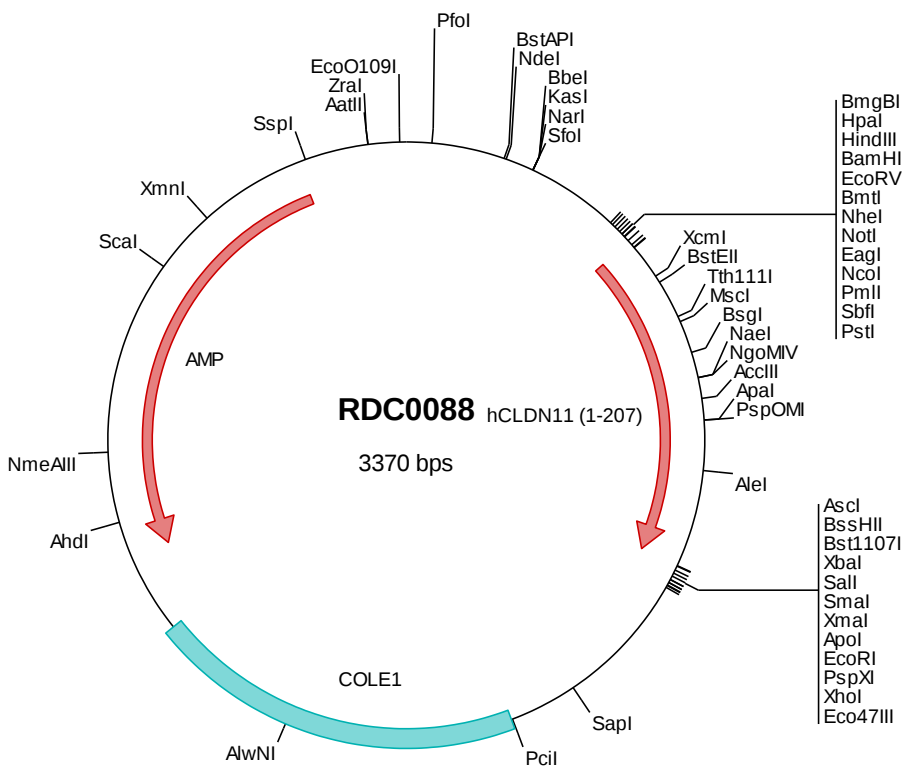
CLDN11 belongs to the claudin family of integral membrane proteins that form tight junctions. It is a major component of central nervous system (CNS) myelin and plays an important role in regulating the proliferation and migration of oligodendrocytes. CLDN11 interacts with tetraspanin-3/TSPAN3. Mouse studies have shown that gene deficiency results in deafness and loss of the Sertoli cell epithelial phenotype in the testis.

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.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS



> RDC0088 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tcggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgcatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacac atggttgcca cgtgcctgca ggtggtgggc ttcgtaacga gcttcgtggg
501  ctggatcggg gtcacgtgta ccacctccac caatgactgg gtggtgacct ggggtacac catcccccac tgccgcaagc tggatgagct gggctccaag
601  gggctgtggg ccgactgcgt catggccacg gggctgtacc actgcaagcc cctggtggac atcctcatcc tgccgggcta cgtgcaggcc tgccgcgccc
701  tgatgatgct tgctctggtc ctgggtctgc cggccatttt actgctgctg actgtttctc cctgcacccg gatgggccag gagcccggtg tggctaagta
801  caggcgggcc cagctggctg gtgttttctt cattctgctg gctctctgct ccttgtttgc caccatctgg ttccctgtgt gcgcccacgg tgagaccacc
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1401 ctcggtcggt cggtgcggc gagcgggtatc agctcactca aaggcggtaa tacggttatc cacagaatca ggggataacg caggaaaaga catgtgagca
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2101 tgcaagcagc agattacgcg cagaaaaaaa ggatctcaag aagatccttt gatctttctc acggggtctg acgctcagtg gaacgaaaac tcacgttaag
2201 ggatttttgt catgagatta tcaaaaagga tcttcacctc gatcctttta aattaaaaat gaagttttaa atcaatctaa agtatatatg agtaaaactg
2301 gtctgacagt taccaatgct taatcagtga ggcacctatc tcacgcatct gtctatttgc ttcatccata gttgcctgac tccccgctgt gtatataact
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3201 ttatcagggt tattgtctca tgagcgata catattttaa tgtatttaga aaaataaaca aatagggtt ccgcgcatat ttccccgaaa agtgccacct
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> RDC0088 Translated Insert Sequence

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101  tvlpcirmgq epgvakyrta qlagvllill alcalvatiw fpvcahrett ivsfgytlya gwigavlcly gccvilccag daqafgenrf yytagssst
201  haksahv
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