*h*Occludin VersaClone cDNA

Catalog Number: RDC0161

Specifications:

Gene:	*h*OCLN
Accession:	AAH29886
Insert size:	1581bp
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

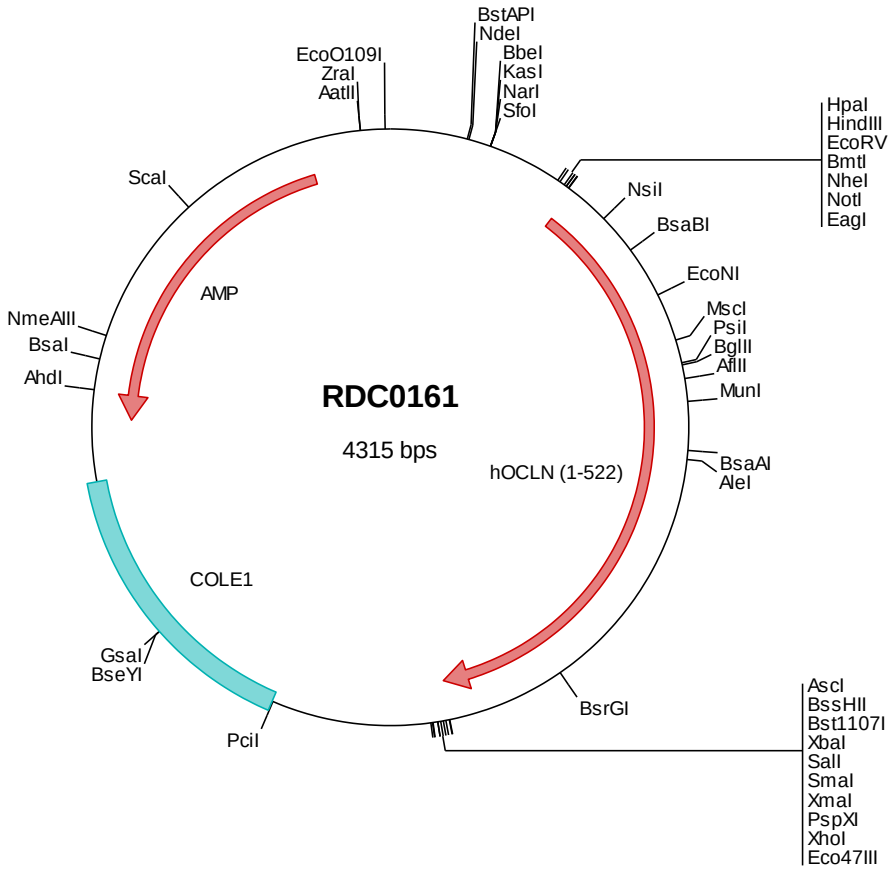
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

*h*OCLN cDNA Plasmid

OCLN occludin [*Homo sapiens*]

Also known as: BLCPMG

Summary:
OCLN is an integral membrane protein that is localized exclusively at tight junctions (TJ) of select epithelial and endothelial cells. At the TJ, OCLN associates with membrane peripheral protein ZO-1 (220 kDa). Human OCLN shares 90% aa sequence identity with mouse OCLN. Defects in OCLN are the cause of band-like calcification with simplified gyration and polymicrogyria (BLCPMG); also known as pseudo-TORCH syndrome.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC0161 Plasmid DNA Sequence

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 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 atgtcatcca ggcctcttga aagtccacct ccttacaggc ctgatgaatt
 501  caaaccgaat cattatgcac caagcaatga catatatggt ggagagatgc atgttcgacc aatgctctct cagccagcct actcttttta cccagaagat
 601  gaaattcttc acttctacaa atggacctct cctccaggag tgattcggat cctgtctatg ctcattattg tgatgtgcat tgccatcttt gcctgtgtgg
 701  cctccacgct tgcctgggac agaggctatg gaacttccct tttaggaggt agtgtaggct acccttatgg aggaagtggc tttggtagct acggaagtgg
 801  ctatggctat ggctatggtt atggctatgg ctacggaggc tatacagacc caagagcagc aaagggcttc atgttggcca tggctgcctt ttgtttcatt
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1101  ccaattttat acacctgcag ctactggact ctacgtggat cagtattcgt atcactactg tgttgtggat ccccaggagg ccattgccat tgtactgggg
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1801  gatgagatca ataaagaact ctcccgtttg gataaagaat tggatgacta tagagaagaa agtgaagagt acatggctgc tgctgatgaa tacaatagac
1901  tgaagcaagt gaagggatct gcagattaca aaagtaagaa gaatcattgc aagcagttaa agagcaaatt gtcacacatc aagaagatgg ttggagacta
2001  tgatagacag aaaacatagg gcgcgccagt atactctaga gtcgacaccc ggggaattcc tcgagcgctc gtctctagct tggcgtaatc atggtcatag
2101  ctgtttcctg tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgta aagcctgggg tgcctaatga gtgagctaac
2201  tcacattaat tgcgttgcgc tcactgcccg ctttccagtc gggaaacctg tcgtgccagc tgcattaatg aatcggccaa cgcgcgggga gaggcggttt
2301  gcgtattggg cgctcttccg cttcctcgct cactgactcg ctgcgctcgg tcgttcggct gcggcgagcg gtatcagctc actcaaaggc ggtaatacgg
2401  ttatccacag aatcagggga taacgcagga aagaacatgt gagcaaaagg ccagcaaaag gccaggaacc gtaaaaaggc cgcgttgctg gcgtttttcc
2501  ataggctccg ccccctgac gagcatcaca aaaatcgacg ctcaagtcag aggtggcgaa acccgacagg actataaaga taccaggcgt ttcccccctgg
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3001  tgatccggca aacaaaccac cgctggtagc ggtggttttt ttgtttgcaa gcagcagatt acgcgcagaa aaaaaggatc tcaagaagat cctttgatct
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> RDC0161 Translated Insert Sequence

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 201  aqssgslygs qiyalcnqfy tpaatglyvd qysyhycvvd pqeaiaivlg fmiivafali iffavktrrk mdrydksnil wdkehiydeq ppnveewvkn
 301  vsagtqdvps ppsdyvervd spmayssngk vndkrfypes sykstpvpev vqelpltspv ddfrqpryss ggnfetpskr apakgragrs krteqdhyet
 401  dyttggescd eleedwirey ppitsdqqrq lykrnfdtgl qeykslqsel deinkelsrl dkelddyree seeymaaade ynrlkqvkgs adykskknhc
 501  kqlksklshi kkmvgdydrq kt
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