

Specifications:

Gene:	hCD31
Accession:	AAA36429
Insert size:	2228bp
Concentration:	10µg at 0.2µg/µL

hCD31/PECAM-1 cDNA Plasmid

PECAM1 platelet/endothelial cell adhesion molecule 1 [*Homo sapiens* (human)]

Also known as: CD31; PECA1; GPIIA'; PECAM-1; endoCAM; CD31/EndoCAM

Summary:

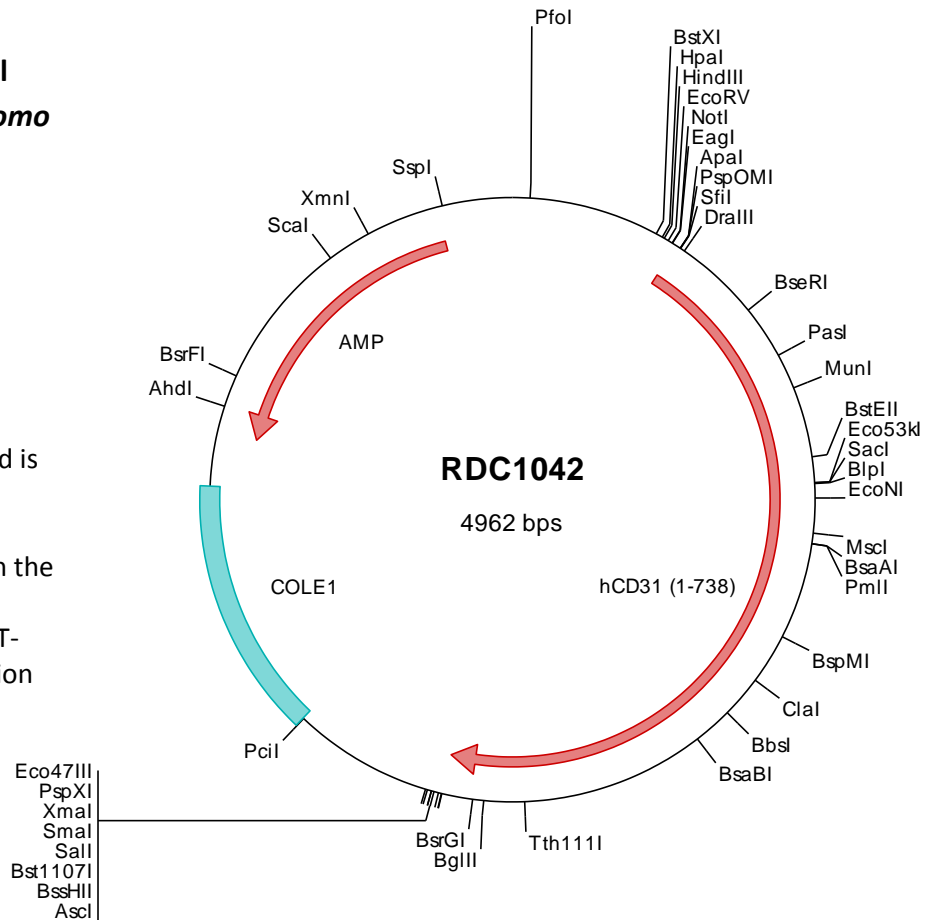
CD31 is a member of the immunoglobulin superfamily and is likely involved in leukocyte migration, angiogenesis, and integrin activation. It is found on the surface of platelets, monocytes, neutrophils, and some types of T-cells, and makes up a large portion of endothelial cell intercellular junctions. Alternatively spliced transcripts encoding different proteins have been described.

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.





> RDC1042 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtea cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatattgc gtgtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attgcocatt caggctgcgc aactgttggg aagggcgatc ggtcggggcc tcttcgctat
301 taagccagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccgggt ttcccagtc acgacgtgtg aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc gggcggcaacc atgcagccga ggtggggcca agggggcaag atgtggcttg gactcctgct
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701 acatctctc catgaagagc acagagagtt attttattcc tgaagtccgg atctatgact cagggacata taaatgtaact gtgattgtga acaacaaga
801 gaaaacct cagagatacc agctgttggt ggaaggagtg cccagtcoca ggtgacact ggacaagaaa gaggccatcc aaggtgggat cgtgagggtc
901 aactgttctg tccagagga aaaggcccca atacactca caatgaaaa acttgaacta atgaaaaaa tggccaagct gaaaagagag aagaattctc
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> RDC1042 Translated Insert Sequence

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201 vlsfrcqari isgihmqtse stkselvtvt esfstpkfhi sptgmimega qlh1kctiq thlagefpei i1qkdkaiva hnrhgnkavy svmamvehsg
301 nytckvessr iskvssivvn itelfskpel essfthldqg erlnlscsip gappanftiq kedtivsqpt dftkiasksd sgtyictagi dkvvkksntv
401 qivvcemlsq prisysdaqfe vikgqgtiev cesisgltpl syqlktskv lenstksnd pavfkdnpte dveyqcvadn chshakmlse vlrkvkiapv
501 devqisilss kvvesgediv lqcavnegsg pitykfyrek egkpfyqmts natqafwtkq kaskeqegey yctafnranh assvprskil tvrvilapwk
601 kgliavviig viialliiaa kcyflrkaka kmpvemsrp avpllnsne kmsdpnmean shyghnddvr nhamkpindn keplnsdvqy tevqvssaes
701 hkdglkkdte tvysevrkav pdavesrysr tegslgdt