

Specifications:

Gene:	hCD34
Accession:	NP_001020280
Insert size:	1171bp
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.

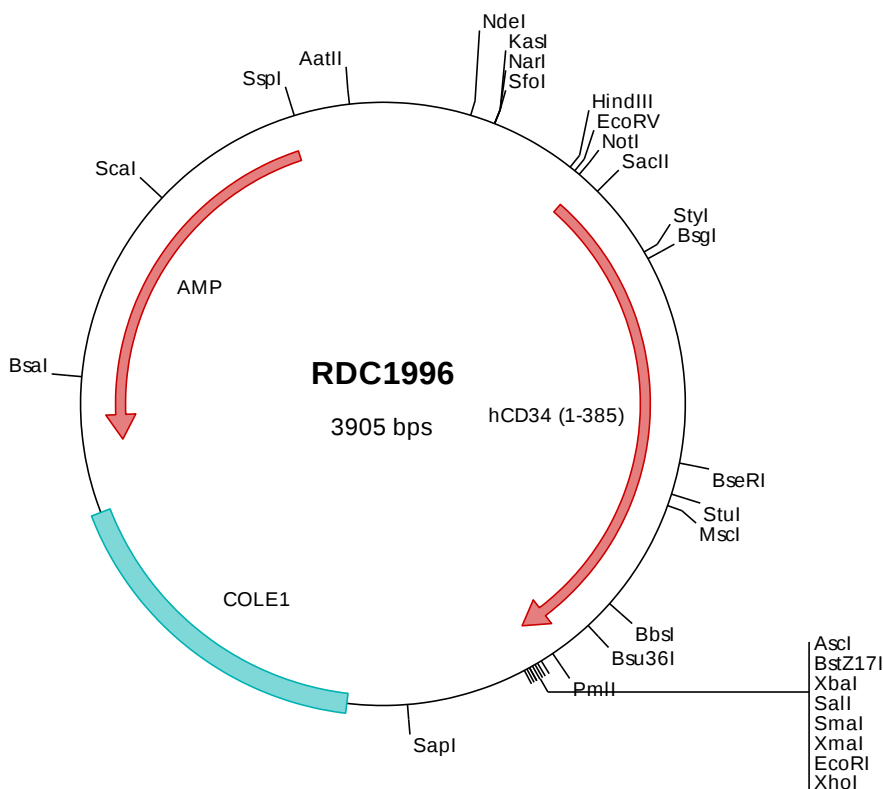
hCD34 cDNA Plasmid

CD34 CD34 molecule [*Homo sapiens* (human)]

Also known as:

Summary:

CD34 is a single-pass membrane protein that is highly glycosylated and phosphorylated by protein kinase C. It may play a role in the attachment of stem cells to the bone marrow extracellular matrix or to stromal cells. Alternatively spliced transcripts encoding different proteins have been described.



FOR RESEARCH USE ONLY

NOT FOR USE IN HUMANS

> RDC1996 Plasmid DNA Sequence

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1   tcgcgcgcttt cggatgatgac ggtgaaaaacc tctgacacat gcagctcccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgcg tcagcgggtg ttggcgggtg tcggggctgg ctttaactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctcgcc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagctt ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta acgccagggt tttcccagtc acgacgttgt aaaacgacgg ccagtgaaat
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atgctggtcc gcaggggcgc gcgcgcagg cccaggatgc cgcggggtg
501  gaccgcgctt tgcttctga gtttgctg ttctgggttc atgagctctg acaacaacgg tactgtctac ccagagttac ctacccagg aacattttca
601  aatgtttcta caaagtata ctaccaagaa actacaacac ctagtacct tggaagtacc agcctgcacc ctgtgtctca acatggcaat gaggccacaa
701  caaacatcac agaaacgaca gtcaaatca catctacct tgtgataacc tcagtttatg gaaacacaaa ctcttctgtc cagtccacaga cctctgtaat
801  cagcacagtg ttcaccaccc cagccaacgt ttcaactoca gagacaacct tgaagccatg cctgtcacct ggaaaatgtt cagacctttc aaccactagc
901  actagccttg caacatctcc cactaaaccc tatacatcat cttctctat cctgagtgc atcaaggcag aatcaaatg ttcaggcatc agagaagtga
1001 aattgactca ggtgactctg ctggacata ataagacctc cagctgtgctg gagtttaaga aggacagggg agagggcctg gcccgagtgc tgtgtgggga
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1701 tgtgaaattg ttatccgctc acaattccac acaacatacg agccggaagc ataaagtgtg aagcctgggg tgccctaatg gtgagctaac tcacattaat
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1901 cgctctctcc gttccctcgt cactgactcg ctgcgctcgg tcgtctcgct gcgcgagcgc gtatcagctc actcaaaagg ggtaaatcgg ttatccacag
2001 aatcaggggc taacgcagga aagaacatgt gagcaaaaag ccagcaaaaag gccaggaaac gtaaaaaggc cgcggttctg gcgtttttcc ataggctccg
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2601 aacaaaccac cgctggttagc ggtggttttt ttgtttgcaa gcagcagatt acgcgcagaa aaaaaggatc tcaagaagat cctttgatct tttctacggg
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3901 tcgtc

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> RDC1996 Translated Insert Sequence

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1   mlvrrgarag prmprgwtal clslpssgf mslndngtat pelptggtfs nvstnvsyqe ttpstlgsst slhpvsqhgn eattnitett vkftstsvit
101  svyngntnssv qsqtstvistv fttpanvstp ettlkpslsp gnvslstts tslatsptkp ytssspilsd ikaeikcsqi revkltgqic leqntstssca
201  efkkdrgegl arvlcgeega dadagagvcs lllagsevrp qclllvlanr teissklqlm kkhqsdllkl gildfteqdv ashqsysqkt lialvtsgal
301  lavlgitgyf lmnrrswpt gerlgedpyy tengggggys sgpgtspeaq gkasvnrgaq engtgqatsr nghsarqhvv adtel

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