

Specifications:

Gene:	rCd96
Accession:	NP_001020203.1
Insert size:	1825bp
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

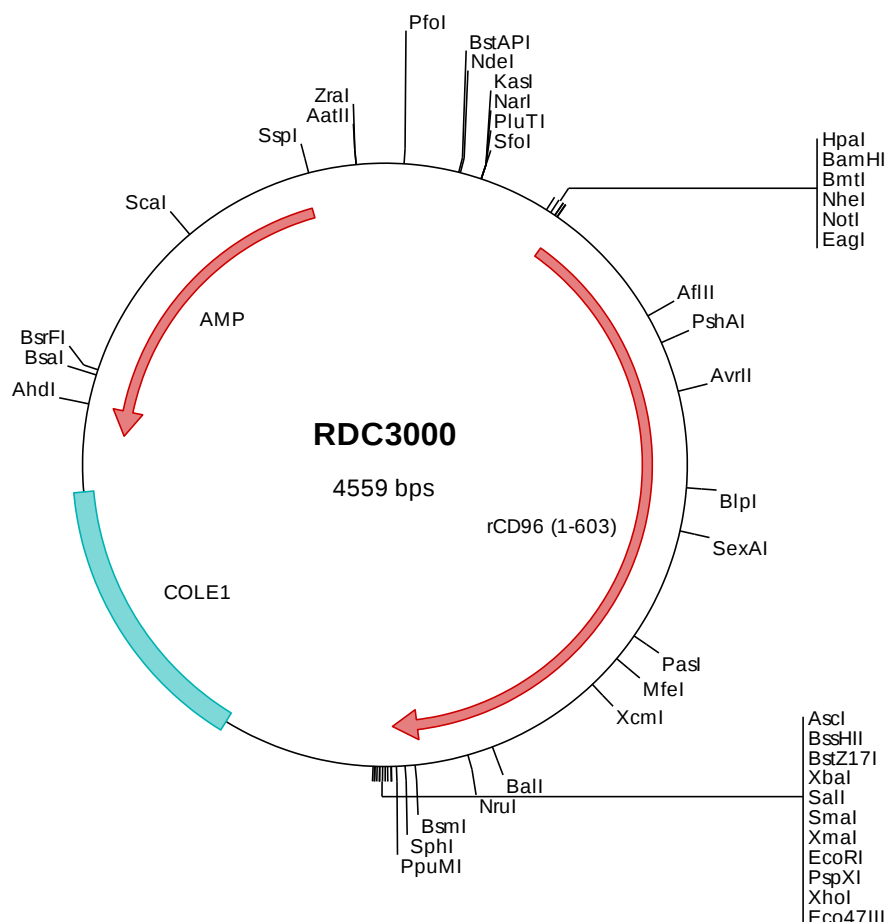
Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

rCD96 cDNA Plasmid

Cd96 CD96 molecule [*Rattus norvegicus* (Norway rat)]

Summary:

CD96 is a type I membrane protein that belongs to the immunoglobulin superfamily. It is expressed on CD4⁺ and CD8⁺ T cells, NK and NKT cells, resting monocytes and gamma δ T cells. It may play a role in the adhesive interactions of activated T and NK cells during the late phase of the immune response. It may also function in antigen presentation.



> RDC3000 Plasmid DNA Sequence

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1  tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccg
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201  ccgcacacgat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aagggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaagg ggaatgtctg caaggcgatt aagttgggta agccagggtt tttcccgatc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgcacc atgggaagaa aatggacata ctgtgtggtt tacgccatca tcagataca
501  gtttttcagg ggagcatggg aagaactatt caatgctgga gataacaacg tgtagctct gcctggttct gatgtcaact tgacctgcca aacaatggag
601  aaagacttaa tggttcagat gcagtgttcc aaggtcacag atgagattga tatgattgtt gtttatcatc cccaatatgg cttccactat atgcaggggg
701  ttgcctgtga gtcacgagt gctgcggtag aaactctgaa ggatgcaacg aaatggactc tgaacttaag gaatatctct tccagcctca gtggaagta
801  tgagtgcagc ttcactatgt atccaacagg caccaagact atagtctaca acctcattgt ggaacctat acacaagatg aacacaaccg tacaatagaa
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> RDC3000 Translated Insert Sequence

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101  kwtlnlrnis sslsgkyecs ftmyptgtkt ivynlively tqdehnrtie ietnrtleip cfqntsseis prftfswlve kdgvedvlft ydyhvsnsta
201  fkgrvlgldg yglrlspvqi qddgrtfsfcf lrisplkvkw tttvkvfak peilmtvent tmdvlgervf tcllknvfpk asitwldigr lfqgneegi
301  itneeknsns gfwelksvlt rmhnrtsgsn nmtvwmals ppgnkmwnt ssqpitfsls sgtaptkrllp nvtgstlgaq tfpdaevspt rylatssmti
401  vdenlvtpdp tpqtsnssmt tkdvnsyqps sgtdaknsrr aasssdggsr pfpstspkw lslphtstgp qepdsavswi ptdaytsyss dasltsdhvi
501  irttkefpdv lttangttki khghvtgitv nkprdgmswp vavatllffc illfglgvrk wcqyqkeime rpppfkpppp pikymciqep tgrgmpchem
601  evl

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