

**Specifications:**

Gene:	<i>cynolL10</i>
Accession:	BAA19132.1
Insert size:	550bp
Concentration:	10µg at 0.2µg/µL

***cynolL-10* cDNA  
Plasmid**

**IL10 interleukin 10 [ *Macaca fascicularis* (crab-eating macaque) ]**

**Also known as:** CSIF

**Summary:**

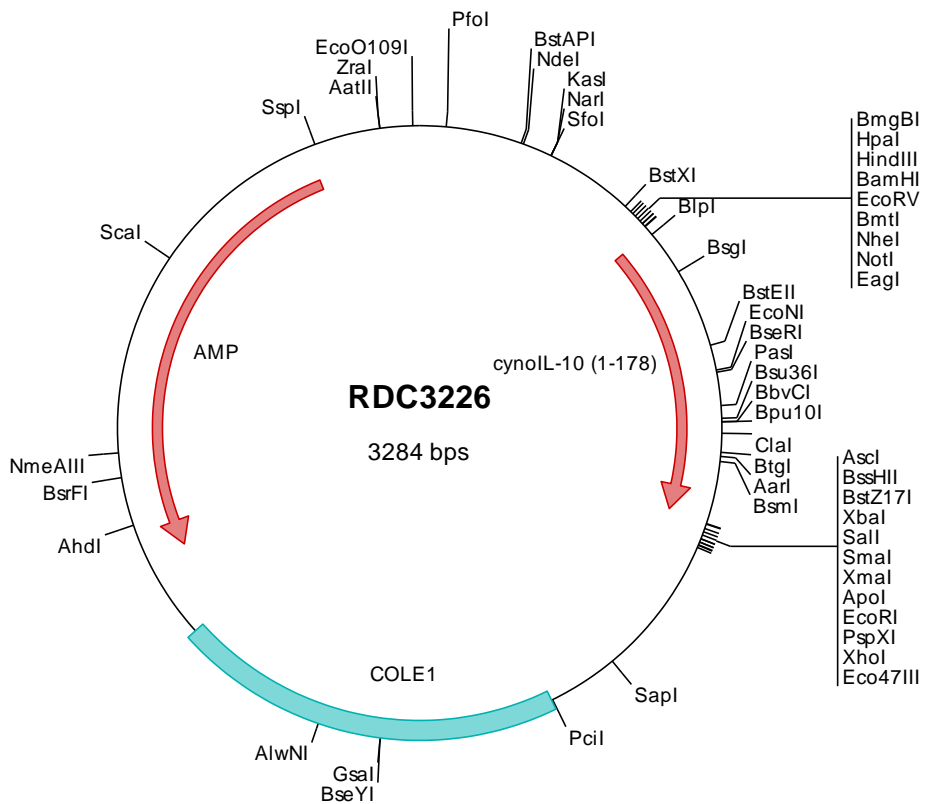
IL-10 is a cytokine produced primarily by monocytes and to a lesser extent by lymphocytes. It has pleiotropic effects in immunoregulation and inflammation. It down-regulates the expression of Th1 cytokines, MHC class II Ags, and costimulatory molecules on macrophages. IL-10 also enhances B cell survival, proliferation, and antibody production. This cytokine can block NF-kappa B activity, and is involved in the regulation of the JAK-STAT signaling pathway. Mutations in IL-10 are associated with an increased susceptibility to HIV-1 infection and rheumatoid arthritis.

**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

> RDC3226 Plasmid DNA Sequence

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1   tcgctgctgtt  cggatgatgac  ggtgaaaacc  totgacacat  gtagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
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> RDC3226 Translated Insert Sequence

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