

**Specifications:**

Gene:	rCd80
Accession:	NP_037058
Insert size:	979bp
Concentration:	10µg at 0.2µg/µL

**rB7-1/CD80 cDNA  
Plasmid**

**Cd80** Cd80 molecule [ *Rattus norvegicus* (Norway rat) ]

**Also known as:** B7-1

**Summary:**

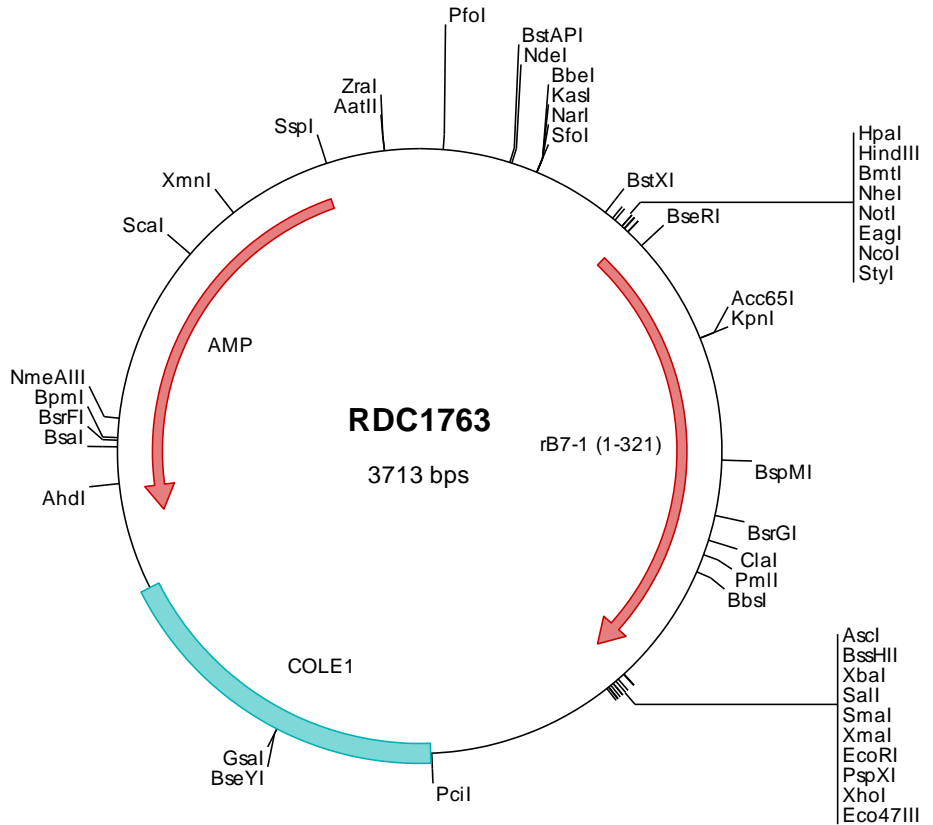
B7-1 is a membrane receptor that is activated by the binding of CD28 or CTLA-4. T-cell proliferation and cytokine production is induced by the binding of CD28, while binding to CTLA-4 has opposite effects and inhibits T-cell activation. B7-1 is expressed on activated B cells, activated T cells, and macrophages. B7-1 can also act as a receptor for adenovirus subgroup B and may play a role in lupus neuropathy.

**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.



> RDC1763 Plasmid DNA Sequence

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1   tcgcgcgctt  cggatgatgac  ggtgaaaacc  totgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccc
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> RDC1763 Translated Insert Sequence

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