

**Specifications:**

Gene:	rCd86
Accession:	NP_064466
Insert size:	955bp
Concentration:	10µg at 0.2µg/µL

**rB7-2/CD86 cDNA  
Plasmid**

**Cd86 CD86 molecule [ *Rattus norvegicus* (Norway rat) ]**

**Also known as:** B7-2

**Summary:**

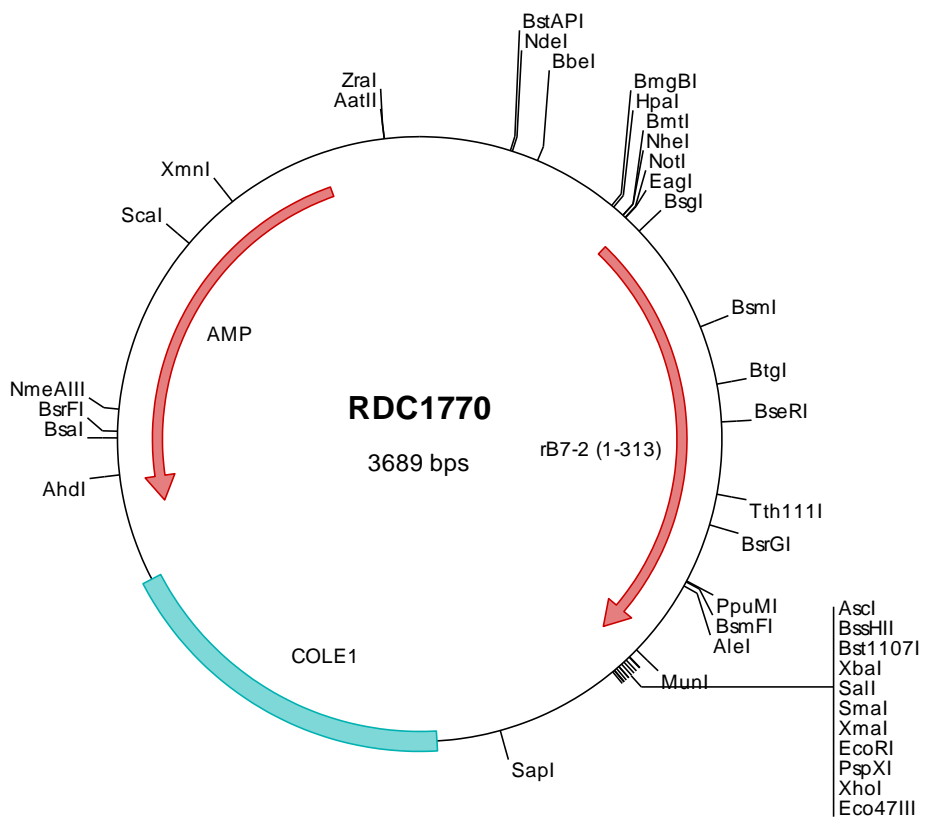
B7-2 is a member of the immunoglobulin superfamily. It is a type I membrane protein expressed by antigen-presenting cells. B7-2 is the ligand for two proteins at the cell surface of T-cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. When bound to CD28 antigen it is a costimulatory signal for the activation of T-cells. Binding of B7-2 with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response.

**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

> RDC1770 Plasmid DNA Sequence

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1   tcgctgctgtt  cggatgatgac  ggtgaaaaacc  tctgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccggggagca  gacaagcccc
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> RDC1770 Translated Insert Sequence

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