

**Specifications:**

Gene:	rCd274
Accession:	NP_001178883
Insert size:	886bp
Concentration:	10µg at 0.2µg/µL

**rPD-L1/B7-H1 cDNA  
Plasmid**

**Cd274 CD274 molecule [ *Rattus norvegicus* (Norway rat) ]**

**Also known as:** Pdcd1lg1;  
RGD1566211

**Summary:**

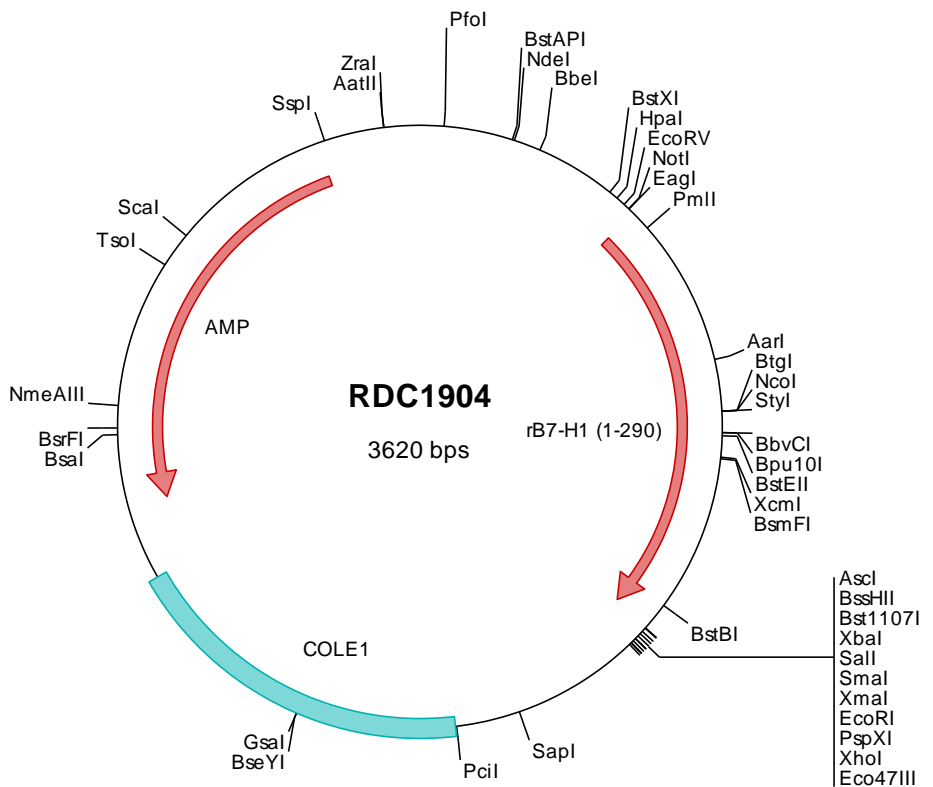
B7-H1 is a member of the B7 family of immune proteins that provide signals for both stimulating and inhibiting T cell activation. B7-H1 is constitutively expressed in the heart, skeletal muscle, placenta, and lung. Interaction of B7-H1 with PD-1 inhibits T-cell proliferation and cytokine production. The B7-H1:PD-1 pathway is also involved in the negative regulation of some immune responses and may play an important role in the regulation of peripheral tolerance.

**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.



> RDC1904 Plasmid DNA Sequence

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> RDC1904 Translated Insert Sequence

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