

Specifications:

Gene:	rPdc1lg2
Accession:	NP_001101052
Insert size:	820bp
Concentration:	10µg at 0.2µg/µL

rPD-L2/B7-DC cDNA Plasmid

**Pdc1lg2 programmed cell death
1 ligand 2 [*Rattus norvegicus*
(Norway rat)]**

Summary:

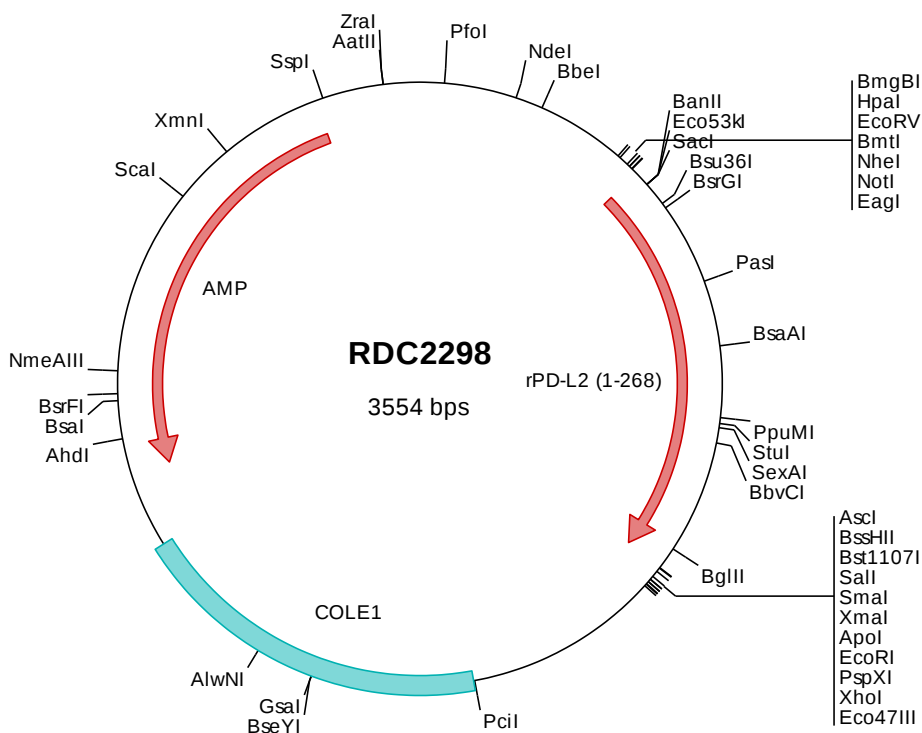
PDL2 is a member of the CD28 family of immune-receptors and is one of two ligands for programmed death-1 (PD-1). PDL2 is broadly expressed in tissues and is upregulated in a variety of tumor cell lines. PDL2 is involved in the costimulatory signal and is essential for T-cell proliferation and IFNG production in a PDCD1-independent manner. Interaction with PDCD1 inhibits T-cell proliferation by blocking cell cycle progression and cytokine production.

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.



> RDC2298 Plasmid DNA Sequence

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> RDC2298 Translated Insert Sequence

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