

Specifications:

Gene:	cynoPDCD1LG2
Accession:	XP_005581839
Insert size:	835bp
Concentration:	10µg at 0.2µg/µL

cynoPD-L2/B7-DC cDNA Plasmid

PDCD1LG2 programmed cell death 1 ligand 2 [*Macaca fascicularis* (crab-eating macaque)]

Also known as: B7DC; Btdc; PDL2; CD273; PD-L2; PDCD1L2; bA574F11.2

Summary:

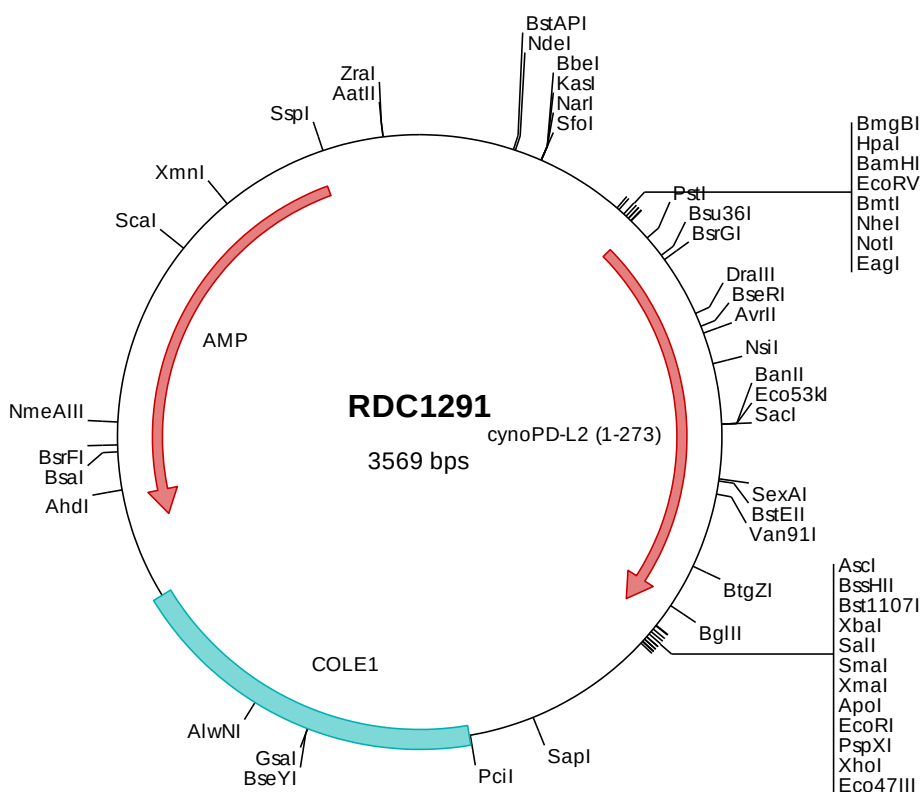
PDL2 is a member of the CD28 family of immune-receptors and is one of two ligands for programmed death-1 (PD-1). PDL2 is broadly expressed in tissues and is upregulated in a variety of tumor cell lines. PDL2 is involved in the costimulatory signal and is essential for T-cell proliferation and IFNG production 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.





> RDC1291 Plasmid DNA Sequence

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1   tcgcgcggtt cggatgatgac ggtgaaaacc tctgacacat gcagctcccg gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101  tcaggggcgc tcagcgggtg ttggcgggtg tccgggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg gtgtgaaata
201  ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtgcgggcc tcttcgctat
301  tacgccagct ggcgaaaggg ggaatgtctg caaggcgatt aagtttggta acgccagggt tttccagtc acgacgttgt aaaacgacgg ccagtgaatt
401  ggagacgtgt taacaagctt ggaatccgata tgcgtagcgc ggcgcgcacc atgatcttcc tctgtctaata gttgagcctg gaactgcagc ttaccagagc
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701  aggccttggg ccacatacct caagtccaag tgagggagca aggacagtac caatgcataa tcatctatgg ggttgccctg gactacaagt acctgactct
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2501 tctgacagtt accaatgctt aatcagttag gcacctatct cagcgatctg tctatctcgt tcatccatag ttgcctgact ccccgctcgt tagataacta
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> RDC1291 Translated Insert Sequence

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