

Specifications:

Gene:	<i>pPDCD1</i>
Accession:	NP_001191308.1
Insert size:	1602bp
Concentration:	10µg at 0.2µg/µL

*p*PD-1 cDNA Plasmid

PDCD1 programmed cell death 1

[*Sus scrofa* (pig)]

Summary:

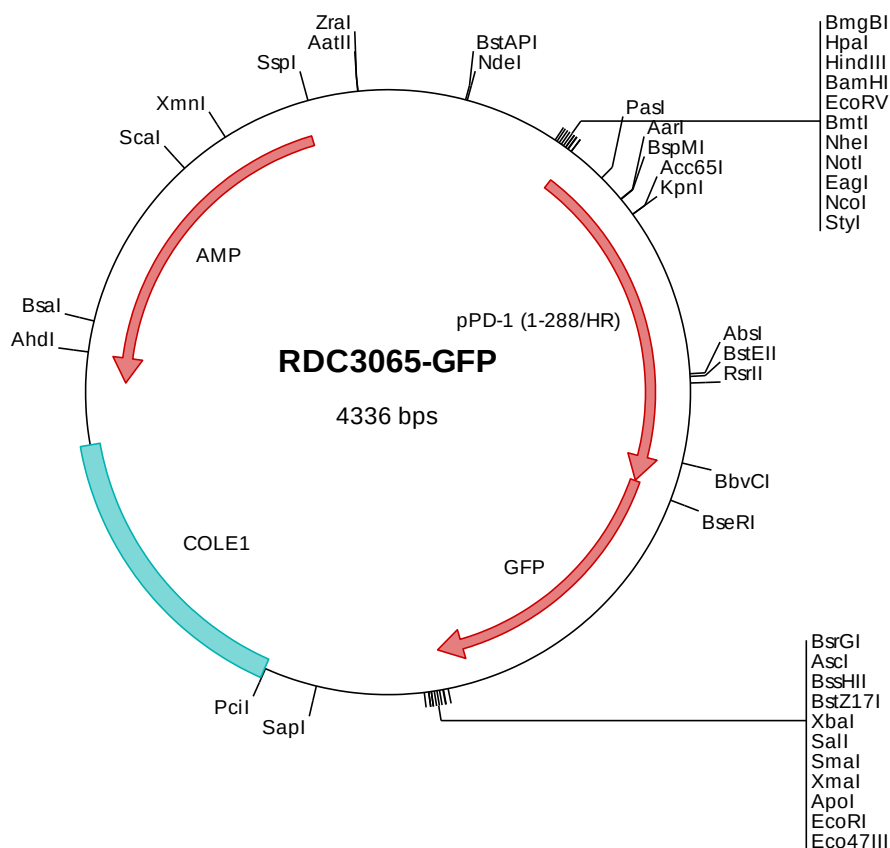
PD-1 is a cell surface membrane protein of the immunoglobulin superfamily. It is expressed on activated T cells, B cells, myeloid cells, and on a subset of thymocytes. *In vitro*, ligation of PD-1 inhibits TCR-mediated T cell proliferation and production of IL-1, IL-4, IL-10, and IFN- γ . In addition, PD-1 ligation also inhibits BCR mediated signaling. PD-1 likely has an inhibitory role in regulating immune responses and may contribute to the prevention of autoimmune diseases.

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

> RDC3065-GFP Plasmid DNA Sequence

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1   tcgcgcgcttt  cggatgatgac  ggtgaaaacc  tctgacacat  gcagctcccc  gagacgggtca  cagcttgtct  gtaagcggat  gccgggagca  gacaagcccg
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> RDC3065-GFP Translated Insert Sequence

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