

Specifications:

Gene:	hPDCD1
Accession:	NP_005009
Insert size:	880bp
Concentration:	10µg at 0.2µg/µL

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.

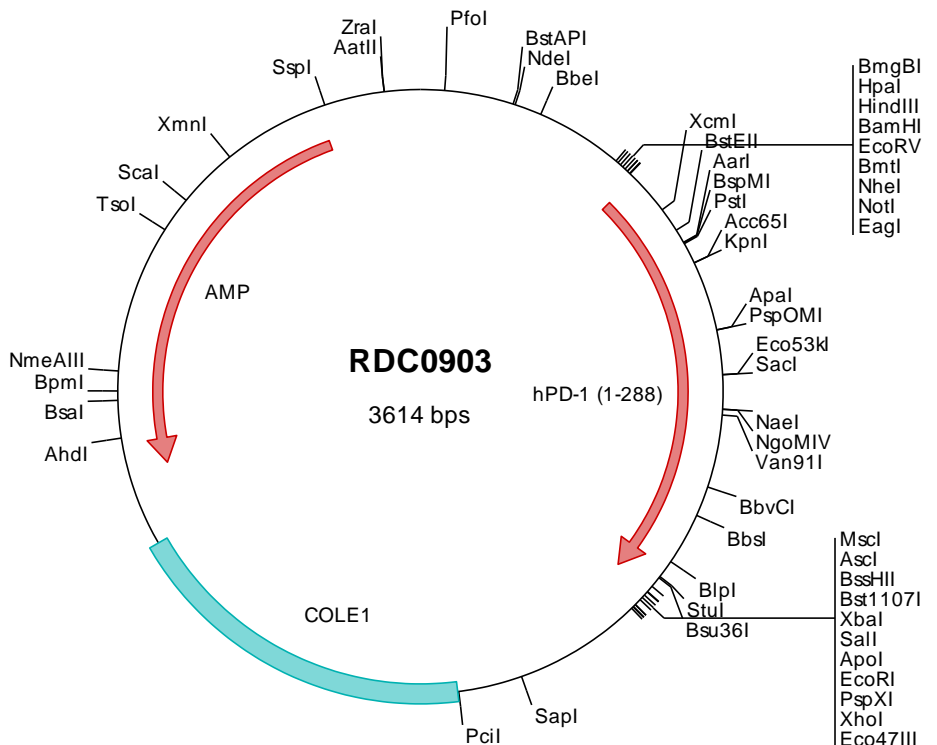
hPD-1 cDNA Plasmid

PDCD1 programmed cell death 1
[*Homo sapiens* (human)]

Also known as: PD1; PD-1; CD279; SLEB2; hPD-1; hPD-I

Summary:

PDCD1 is a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed on activated T cells, B cells, myeloid cells, and on a subset of thymocytes. *In vitro*, ligation of PDCD1 inhibits TCR-mediated T cell proliferation and production of IL-1, IL-4, IL-10, and IFN-γ. In addition, PDCD1 ligation also inhibits BCR mediated signaling. PDCD1 likely has an inhibitory role in regulating immune responses and may contribute to the prevention of autoimmune diseases.





> RDC0903 Plasmid DNA Sequence

1 tcgcgcggtt cggatgatgac ggtgaaaacc tetgacacat gcaagctccc gagacggtca cagcttgtct gtaagcggat gccgggagca gacaagcccg
101 tcaggggcgc tcagcgggtg ttggcgggtg teggggctgg cttactatg cggcatcaga gcagattgta ctgagagtgc accatatgcg ggtgaaata
201 ccgcacagat gcgtaaggag aaaataccgc atcaggcgcc attcgccatt caggctgcgc aactgttggg aaggcgatc ggtcgggccc tcttcgctat
301 taaggcagct ggcgaaaggg ggatgtgctg caaggcgatt aagtgggta acgcccagggt ttcccagtc acgacgttgt aaaacgacgg ccagtgaatt
401 ggagacgtgt taacaagctt ggatccgata tcgctagcgc ggccgccacc atgcaaatcc ctcaagcgcc ttggcctgtc gtctggggcg tctacaact
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601 accttoacct gcagcttctc caaacatcg gagagcttcg tgctaaactg gtaoccgatg agcccagca accagacgga caagctggcc gccttccccg
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3601 gagccctttt cgct

> RDC0903 Translated Insert Sequence

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201 garrtggplk edpsavpvfs vdygelfqw rektpeppv cveqteyat ivfpsgmgtz sparrgsadg prsaqlrpe dqhcswp1