

# Recombinant Full Length Human PDCD1 Protein, GST-tagged

Cat. No. PDCD1-724HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant full length Human PDCD1(1 a.a. - 288 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	288 amino acids
<b>Description</b>	This gene encodes a cell surface membrane protein of the immunoglobulin superfamily. This protein is expressed in pro-B-cells and is thought to play a role in their differentiation. In mice, expression of this gene is induced in the thymus when anti-CD3 antibodies are injected and large numbers of thymocytes undergo apoptosis. Mice deficient for this gene bred on a BALB/c background developed dilated cardiomyopathy and died from congestive heart failure. These studies suggest that this gene product may also be important in T cell function and contribute to the prevention of autoimmune diseases.
<b>Form</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Molecular Mass</b>	58 kDa
<b>AA Sequence</b>	MQIPQAPWPV VWAVLQLGWR PGWFLDSPDR PWNPPTFSPA LLVVTEGDNA TFTCSFSNTS ESFVLNWYRM SPSNQTDKLA AFPEDRSQPG QDCRFRTVL PNGRDFHMSV VRARRNDSGT YLCGAISLAP KAQIKESLRA ELRVTERAE

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VPTAHPSPSP RPAGQFQLV VGVVGGLLGS LVLLVWVLAV ICSRAARGTI  
 GARRTGQPLK EDPSAVPVFS VDYGELDFQW REKTPEPPVP CVPEQTEYAT  
 IVFPSGMGTS SPARRGSADG PRSAQPLRPE DGHCSWPL

**Applications**

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);  
 Antibody Production; Protein Array

**Storage**

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

## GENE INFORMATION

**Gene Name**

PDCD1 programmed cell death 1 [ Homo sapiens ]

**Official Symbol**

PDCD1

**Synonyms**

PDCD1; programmed cell death 1; programmed cell death protein 1; CD279; PD1;  
 protein PD-1; PD-1; SLEB2; hPD-1; hPD-I

**Gene ID**

5133

**mRNA Refseq**

NM\_005018

**Protein Refseq**

NP\_005009

**MIM**

600244

**UniProt ID**

Q15116

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