

Recombinant Full Length Human PDCD1 Protein, GST-tagged

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

SPECIFICATION

Product Overview	Recombinant full length Human PDCD1(1 a.a. - 288 a.a.) fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	288 amino acids
Description	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.
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	58 kDa
AA Sequence	MQIPQAPWPV VWAVLQLGWR PGWFLDSPDR PWNPTFSPA LLVVTEGDNA TFTCSFSNTS ESFVLNWYRM SPSNQTDKLA AFPEDRSQPG QDCRFRVTQL PNGRDFHMSV VRARRNDSGT YLCGAISLAP KAIKESLRA ELRVTERAE

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VPTAHPSPSP RPAGQFQTLV 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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