

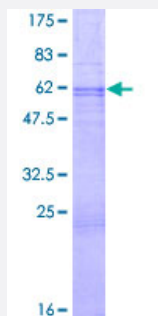
Full-Length

PDCD1 (Human) Recombinant Protein (P01)

Catalog # H00005133-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PDCD1 full-length ORF (AAH74740.1, 1 a.a. - 288 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQIPQAPWPVVWAVLQLGWRPGWFLDSPDRPWNPTFSPALLVVTEGDNATFTCSFSNTSESVLNWYRMSPSNQTDKLAAPEDRSQPGQDCRFRVTQLPNGRDFHMSVVRARRNDSTYLCAISLAPKAQIKESLRAELRVTERRAEVPTAHPSPSPRPAGQFQTLVGVVGGLLGSLVLLVWVLAVICSRAARGTIGARRTGQPLKEDPSAVPVFSVDYGELDFQWREKTPEPPVPCVPEQTEYATVFPSGMGTSSPARRGSADGPRSAQPLRPEDGHCSWPL

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

58

Interspecies Antigen Sequence

Mouse (59); Rat (61)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

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

Note

Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — PDCD1

Entrez GeneID[5133](#)**GeneBank Accession#**[BC074740.2](#)**Protein Accession#**[AAH74740.1](#)**Gene Name**

PDCD1

Gene Alias

CD279, PD1, SLEB2, hPD-1, hPD-I

Gene Description

programmed cell death 1

Omim ID[152700 600244](#)**Gene Ontology**[Hyperlink](#)**Gene Summary**

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 number 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. [provided by RefSeq]

Other Designations

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Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [T cell receptor signaling pathway](#)

Disease

- [Addison Disease](#)
- [Alveolitis](#)
- [Arthritis](#)
- [Autoimmune Diseases](#)
- [Carcinoma](#)
- [Choriocarcinoma](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)
- [Genetic Predisposition to Disease](#)
- [Graves Disease](#)
- [Hydatidiform Mole](#)
- [Inflammation](#)
- [Kidney Diseases](#)
- [Leukemia](#)
- [Liver Cirrhosis](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)

- [Mucocutaneous Lymph Node Syndrome](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neovascularization](#)
- [Polyendocrinopathies](#)
- [Spondylitis](#)
- [Uterine Cervical Neoplasms](#)
- [Uveomeningoencephalitic Syndrome](#)
- [Vasculitis](#)
- [Wegener Granulomatosis](#)