

Recombinant Human PDCD1

Cat. No. PDCD1-29487TH Lot. No. (See product label)

SPECIFICATION

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|-------------------------|---|
| Product Overview | Recombinant fragment of Human PD1 with proprietary tag at the N terminal; Predicted MW 37.73 kDa, inclusive of tag. |
| Species | Human |
| Source | Wheat Germ |
| ProteinLength | 110 amino acids |
| Description | <p>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/cbackground 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.</p> |
| Molecular Weight | 37.730kDa inclusive of tags |
| Form | Liquid |
| Purity | Proprietary Purification |
| Storage buffer | pH: 8.00Constituents:0.3% Glutathione, 0.79% Tris HCl |

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|---------------------------------|--|
| Storage | Shipped on dry ice. Upon delivery aliquot and store at -80oC. Avoid freeze / thaw cycles. |
| Sequences of amino acids | MQIPQAPWPVVWAVLQLGWRPGWFLDSPDRPWNPPTFFPA LLVVTEGDNATFTCSFSNTSESFVLNWYRMSPSNQTDKLA AFPEDRSQPGQDCRFRVTQLPNGRDFHMSV |
| Sequence Similarities | Contains 1 Ig-like V-type (immunoglobulin-like) domain. |
| 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; |
| Gene ID | 5133 |
| mRNA Refseq | NM_005018 |
| Protein Refseq | NP_005009 |
| MIM | 600244 |
| Uniprot ID | Q15116 |
| Chromosome Location | 2q37.3 |
| Pathway | Adaptive Immune System, organism-specific biosystem; Cell adhesion molecules |

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(CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Costimulation by the CD28 family, organism-specific biosystem; Immune System, organism-specific biosystem;

Function

protein binding; protein tyrosine phosphatase activity; signal transducer activity;

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