

Recombinant Human PDCD1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. PDCD1-5224H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PD-1 / PDCD1 MS Standard C13 and N15-labeled recombinant protein (NP_005009) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	31.6 kDa
AA Sequence	<p>MQIPQAPWPVVWAVLQLGWRPGWFLDSPDRPWNPTFSPALLVVTEGDNATFTCS FSNTSESVLWYRMSPSNQTDKLAAPEDRSQPGQDCRFRVTQLPNGRDFHMSV VRARRNDSGYLCAISLAPKAQIKESLRAELRVTERRAEVPTAHPSPSPRPAGQFQ TLVVGVVGGLLGSLLVWVLAVICRAARGTIGARRTGQPLKEDPSAVPVFVSDYD ELDFQWREKTPEPPVPCVPEQTEYATIVFPSGMGTSSPARRGSADGPRSAQPLRP</p>

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EDGHCSWPLTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name [PDCD1 programmed cell death 1 \[Homo sapiens \(human\) \]](#)

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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