

## Active GMP Recombinant Human PDCD1 protein, Fc-tagged

**Cat. No.** PDCD1-931HG    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                        |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | GMP Recombinant Human PDCD1 protein(NP_005009.2)(380 aa), fused with Fc Tag at the C-terminal, was expressed in HEK293 cell in an animal component free process under cGMP guidelines. |
| <b>Species</b>          | Human                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                 |
| <b>ProteinLength</b>    | DNA sequence encoding Human PD-1(NCBI Reference Sequence: NP_005009.2) was expressed with Fc tag at the C-terminal.                                                                    |
| <b>Form</b>             | Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.                                                                                                                    |
| <b>Bio-activity</b>     | The concentration of immobilized Human PD-L1(His tag) is 5ug/mL(100uL/well), and the linear binding range that can bind to Human PD-1(Fc tag) is 0.0625-1ug/mL.                        |
| <b>Molecular Mass</b>   | Human PD-1 Protein contains 380 aa. It has a predicted MW of 43.4 kDa.                                                                                                                 |
| <b>Endotoxin</b>        | <0.1EU/ug                                                                                                                                                                              |
| <b>Purity</b>           | >=95% by SDS-PAGE and HPLC                                                                                                                                                             |
| <b>Storage</b>          | The lyophilized preparation can be stored at 4°C for 24 months, and the dissolved liquid can be stored at -20°C for 6-12 months to avoid repeated freezing and thawing                 |

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**Reconstitution**

It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

**GENE INFORMATION**

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

**Official Symbol** [PDCD1](#)

**Synonyms** PDCD1; CD279; SLEB2

**Gene ID** [5133](#)

**mRNA Refseq** [NM\\_005018](#)

**Protein Refseq** [NP\\_005009](#)

**MIM** [600244](#)

**UniProt ID** [Q15116](#)

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