

## Active GMP Recombinant Human PDCD1 protein

Cat. No. PDCD1-932HG Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	GMP Recombinant Human PDCD1 protein(NP_005009.2)(148 aa), fused with His 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 His 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 linear range of immobilized Human PD-1(His Tag) at 0.5ug/mL(100 uL/well) that can bind to human PD-L1 (Fc Tag) is 0.5-10ug/mL.
<b>Molecular Mass</b>	Recombinant Human PD-1 protein contains 148 aa. It has a predicted MW of 21.16 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; D279; SLEB2

**Gene ID** 5133

**mRNA Refseq** NM\_005018

**Protein Refseq** NP\_005009

**MIM** 600244

**UniProt ID** Q15116

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