

Active GMP Recombinant Human PDCD1 protein

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

SPECIFICATION

Product Overview	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.
Species	Human
Source	HEK293
ProteinLength	DNA sequence encoding Human PD-1(NCBI Reference Sequence: NP_005009.2) was expressed with His tag at the C-terminal.
Form	Freeze-dried powder contains Sterile PBS (pH 7.4) with 6% mannitol.
Bio-activity	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.
Molecular Mass	Recombinant Human PD-1 protein contains 148 aa. It has a predicted MW of 21.16 kDa.
Endotoxin	<0.1EU/ug
Purity	>=95% by SDS-PAGE and HPLC
Storage	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]
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Official Symbol	PDCD1
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Synonyms	PDCD1; D279; SLEB2
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Gene ID	5133
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mRNA Refseq	NM_005018
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Protein Refseq	NP_005009
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MIM	600244
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UniProt ID	Q15116
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