

Active Recombinant Human PDCD1 Protein, Fc-Avi-tagged, Biotinylated

Cat. No. PDCD1-260H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Human PD-1, Fc Tag is expressed from HEK293 cells. It contains AA Leu 25 - Gln 167 (Accession # Q15116-1). This protein carries a human IgG1 Fc tag at the C-terminus, followed by a Avi tag.
Species	Human
Source	HEK293
ProteinLength	25-167 a.a.
Predicted N Terminal	Leu 25
Form	Lyophilized from 0.22 um filtered solution in PBS, pH7.4, 10% trehalose.
Bio-activity	Immobilized Human PD-L1, Fc Tag at 5 ug/mL (100 uL/well) can bind Biotinylated Human PD-1, Fc Tag with a linear range of 20-320 ug/mL.
Molecular Mass	The protein has a calculated MW of 44.4 kDa. The protein migrates as 55-66 kDa under reducing condition (SDS-PAGE) due to glycosylation.
Endotoxin	< 1.0 EU per µg of the protein as determined by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Characteristic	Biotinylation of this product is performed using Avitag technology. Briefly, the single lysine residue in the Avitag is enzymatically labeled with biotin. The biotin to protein ratio is 0.5-1 as determined by the HABA assay.
Stability	Samples are stable for up to twelve months from date of receipt at -70°C.
Storage	For long term storage, the product should be stored at lyophilized state at -20°C or lower. Please avoid repeated freeze-thaw cycles. No activity loss is observed after storage at: 4-8°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.
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.
Conjugation	Biotin

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; protein PD-1; PD-1; SLEB2; hPD-1; hPD-I;
Gene ID	5133
mRNA Refseq	NM_005018
Protein Refseq	NP_005009

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MIM	600244
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UniProt ID	Q15116
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