

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.
Source	HEK293
Species	Human
Tag	Fc-Avi
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.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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.

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
MIM	600244



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UniProt ID

Q15116

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