

# Active Recombinant Human PDCD1 protein, mFc-Avi-tagged, Biotinylated

**Cat. No.** PDCD1-0612H    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Biotinylated Recombinant Human PDCD1 protein(Leu25-Gln167), fused with mFc and Avi tag, was expressed in HEK293.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>ProteinLength</b>	25-167 a.a.
<b>Form</b>	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
<b>Bio-activity</b>	<p>Immobilized Human PD-L1, Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human PD-1, Mouse IgG2a Fc,Avitag with a linear range of 5-156 ng/mL.</p> <p>Immobilized Nivolumab at 2 µg/mL (100 µL/well) can bind Biotinylated Human PD-1, Mouse IgG2a Fc,Avitag with a linear range of 0.2-5 ng/mL. Immobilized Human PD-L2, Fc Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human PD-1, Mouse IgG2a Fc,Avitag with a linear range of 1-78 ng/mL.</p>
<b>Molecular Mass</b>	This protein carries a mouse IgG2a Fc tag at the C-terminus, followed by an Avi tag (Avitag).The protein has a calculated MW of 44.5 kDa. The protein migrates as 60-70 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
<b>Proteinlength</b>	Leu25-Gln167

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<b>Endotoxin</b>	Less than 1.0 EU per µg by the LAL method.
<b>Purity</b>	>95% as determined by SDS-PAGE.>90% as determined by SEC-MALS.
<b>Storage</b>	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
<b>Reconstitution</b>	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.
<b>Conjugation</b>	Biotin

## GENE INFORMATION

<b>Gene Name</b>	<a href="#">PDCD1 programmed cell death 1 [ Homo sapiens ]</a>
<b>Official Symbol</b>	<a href="#">PDCD1</a>
<b>Synonyms</b>	PDCD1; programmed cell death 1; programmed cell death protein 1; CD279; PD1; protein PD-1; PD-1; SLEB2; hPD-1; hPD-I;
<b>Gene ID</b>	<a href="#">5133</a>
<b>mRNA Refseq</b>	<a href="#">NM_005018</a>
<b>Protein Refseq</b>	<a href="#">NP_005009</a>
<b>MIM</b>	<a href="#">600244</a>
<b>UniProt ID</b>	<a href="#">Q15116</a>

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