

## Active Recombinant Mouse Pdcd1 Protein, Fc-Avi-tagged, Biotinylated

**Cat. No.** Pdcd1-206M    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Biotinylated Mouse PD-1 / PDCD1, Fc Tag is expressed from HEK293 cells. It contains AA Leu 25 - Gln 167 (Accession # NP_032824). This protein carries a human IgG1 Fc fragment at the C-terminus, followed by an Avi tag.
<b>Species</b>	Mouse
<b>Source</b>	HEK293
<b>ProteinLength</b>	25-167 a.a.
<b>Predicted N Terminal</b>	Leu 25
<b>Form</b>	Lyophilized from 0.22 um filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5, 10% trehalose.
<b>Bio-activity</b>	Immobilized Mouse PD-L1 / B7-H1 Protein, Fc Tag at 10 ug/mL (100 uL/well) can bind Biotinylated Mouse PD-1, Fc tag with a linear range of 0.15-2.5 ug/mL.
<b>Molecular Mass</b>	The protein has a calculated MW of 44.6 kDa. The protein migrates as 55-66 kDa on a SDS-PAGE gel under reducing condition due to glycosylation.
<b>Endotoxin</b>	< 1.0 EU per µg of the protein as determined by the LAL method.
<b>Purity</b>	>92% as determined by SDS-PAGE.

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<b>Characteristic</b>	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.
<b>Stability</b>	Samples are stable for up to twelve months from date of receipt at -70°C.
<b>Storage</b>	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.
<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="#">Pdc1 programmed cell death 1 [ Mus musculus ]</a>
<b>Official Symbol</b>	<a href="#">Pdc1</a>
<b>Synonyms</b>	PDCD1; programmed cell death 1; programmed cell death protein 1; mPD-1; protein PD-1; PD-1; Pdc1; Ly101;
<b>Gene ID</b>	<a href="#">18566</a>
<b>mRNA Refseq</b>	<a href="#">NM_008798</a>
<b>Protein Refseq</b>	<a href="#">NP_032824</a>

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