

Active Recombinant Human PDCD1 protein, hFc-Avi-tagged, Biotinylated, Low Endotoxin

Cat. No. PDCD1-2392H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Biotinylated Recombinant Human PDCD1 protein(Q15116-1)(25-167 aa), fused with C-terminal hFc and Avi tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-167 aa
Conjugation/Label	Biotin
Form	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human PD-L1, mFc tag at 2µg/ml (100µl/Well). Dose response curve for Biotinylated Human PD-1, hFc tag with the EC50 of 0.45µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 44.7 kDa. Due to glycosylation, the protein migrates to 65-72 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE; > 95% as determined by HPLC

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Storage	Store at -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
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Reconstitution	Dissolve the lyophilized protein in distilled water.
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GENE INFORMATION

Gene Name	PDCD1 programmed cell death 1 [Homo sapiens]
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Official Symbol	PDCD1
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Synonyms	PDCD1; programmed cell death 1; programmed cell death protein 1; CD279; PD1; protein PD-1; PD-1; SLEB2; hPD-1; hPD-I;
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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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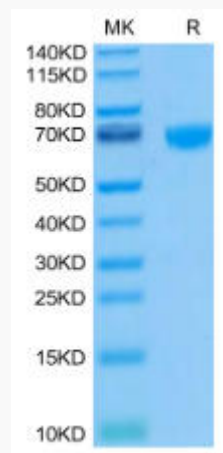
UniProt ID	Q15116
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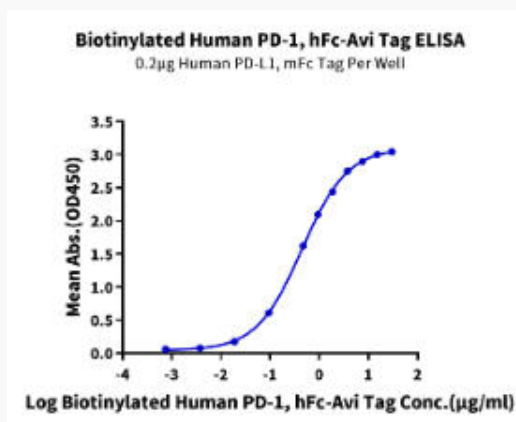
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Bis-Tris PAGE



ELISA Data



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