

Active Recombinant Human PDCD1 protein, Fc-His-tagged

Cat. No. PDCD1-0611H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDCD1 protein(Leu25-Gln167), fused with Fc and His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-167 a.a.
Form	Lyophilized from 0.22 µm filtered solution in PBS, pH7.4. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human PD-1, Fc,His Tag at 2 µg/mL (100 µL/well) can bind Human PD-L1, Mouse IgG1 Fc Tag, low endotoxin with a linear range of 0.2-10 ng/mL. Immobilized Human PD-1, Fc,His Tag at 2 µg/mL (100 µL/well) can bind Biotinylated Human PD-L2, Fc,Avitag with a linear range of 0.3-20 ng/mL. Immobilized Human PD-1, Fc,His Tag at 2 µg/mL (100 µL/well) can bind Nivolumab with a linear range of 0.1-4 ng/mL.
Molecular Mass	This protein carries a human IgG1 Fc fragment at the C-terminus, followed by a polyhistidine tag. The protein has a calculated MW of 43.8 kDa. The protein migrates as 55-66 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Proteinlength	Leu25-Gln167

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Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
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
UniProt ID	Q15116

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