Active Recombinant Human PDCD1 protein, His-tagged

Cat. No. PDCD1-173H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDCD1 protein(Q15116-1)(Leu 25 - Leu 288), fused with His tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	Leu 25 - Leu 288
Form	Lyophilized from 0.22 μm filtered solution in 50 mM Tris, 100 mM NaCl, pH8.0 with detergent. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human PD-1 Full Length, His Tag at 0.2 μg/mL (100 μL/well) can bind Nivolumab with a linear range of 0.4-3 ng/mL.
Molecular Mass	The protein has a calculated MW of 30.7 kDa. The protein migrates as 40-120 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Endotoxin	Less than 1.0 EU per μg by the LAL method.
Purity	>80% as determined by SDS-PAGE.
Storage	This product is stable after storage at: -20°C to -70°C for 12 months in lyophilized state; -70°C for 3 months under sterile conditions after reconstitution.

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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-l;
Gene ID	5133
mRNA Refseq	NM_005018
Protein Refseq	NP_005009
MIM	600244
UniProt ID	Q15116

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