

Active Recombinant Human PDCD1 Protein, LlgG2b Fc-tagged, low endotoxin

Cat. No. PDCD1-361H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDCD1 Protein, LlgG2b Fc-tagged, low endotoxin is expressed from human 293 cells (HEK293). It contains AA Leu 25 - Gln 167 (Accession # Q15116-1). Predicted N-terminus: Leu 25. This protein carries a llama IgG2b Fc tag at the C-terminus. The protein has a calculated MW of 43.8 kDa. The protein migrates as 55-75 kDa under reducing (R) condition (SDS-PAGE) due to glycosylation.
Species	Human
Source	HEK293
ProteinLength	Leu 25 - Gln 167
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 100 mM Glycine, pH7.5. Normally trehalose is added as protectant before lyophilization.
Bio-activity	Immobilized Human PD-L1, Mouse IgG1 Fc Tag (Cat. No. PD1-H52A3) at 0.5 µg/mL (100 µL/well) can bind Human PD-1, Llama IgG2b Fc Tag, low endotoxin (Cat. No. PD1-H5259) with a linear range of 20-313 ng/mL (QC tested). Immobilized Human PD-1, Llama IgG2b Fc Tag, low endotoxin (Cat. No. PD1-H5259) at 2 µg/mL (100 µL/well) can bind Nivolumab with a linear range of 0.1-2 ng/mL (Routinely tested).
Molecular Mass	43.8 kDa

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Endotoxin	Less than 0.01 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.
Notes	Please avoid repeated freeze-thaw cycles.
Stability	No activity loss is observed after storage at: 4-8 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 mg/ml. Centrifuge the vial at 4 centigrade 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 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

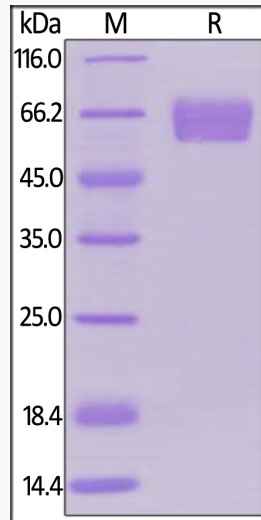
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MIM 600244

UniProt ID Q15116



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