

Active Recombinant Human PDCD1 protein, mFc-tagged, Low Endotoxin

Cat. No. PDCD1-356H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PDCD1 protein(Q15116-1)(Leu25-Gln167), fused with C-terminal mFc tag, was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	25-167 aa
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-1, mFc Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human PD-L1, hFc Tag with the EC50 of 0.12µg/ml determined by ELISA.
Molecular Mass	The protein has a predicted MW of 41.6 kDa. Due to glycosylation, the protein migrates to 64-68 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
Storage	Store at -20 to -80°C for 24 months as supplied from date of receipt. -80°C for 3

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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months after reconstitution. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Reconstitution Dissolve the lyophilized protein in distilled water.

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](#)

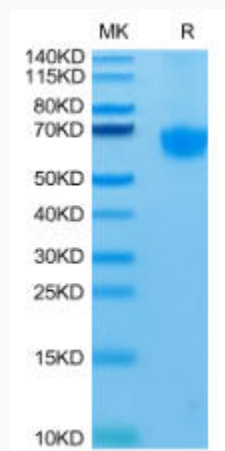
UniProt ID [Q15116](#)

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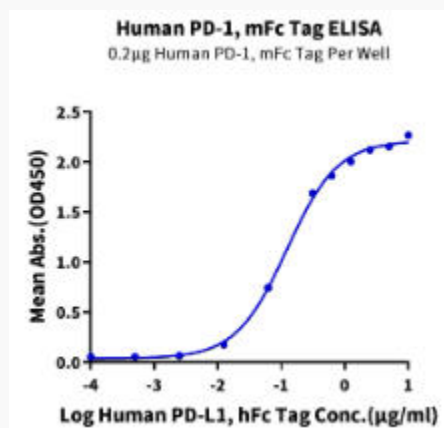
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Bis-Tris PAGE



ELISA Data



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