

Active Recombinant Human PDCD1 protein, His-tagged

Cat. No. PDCD1-02H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Active Recombinant Human PDCD1 protein(NP_005009.2)(Leu25-Thr168) is expressed in HEK293, fused with a His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	25-168 aa
Form	Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.Contact us for customized product form or formulation.
Bio-activity	Measured by its binding ability in a functional ELISA. Immobilized Recombinant Human PD-1 at 5 µg/mL (100 µL/well) can bind Recombinant Human PD-L1 with a linear range of 0.5-2 µg/mL.
Molecular Mass	16.89 kDa
Endotoxin	< 0.1 EU/µg of the protein by LAL method.
Purity	≥ 95 % as determined by SDS-PAGE;≥ 90 % as determined by HPLC.
Storage	Store at -20°C.Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

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Reconstitution

Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

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](#)

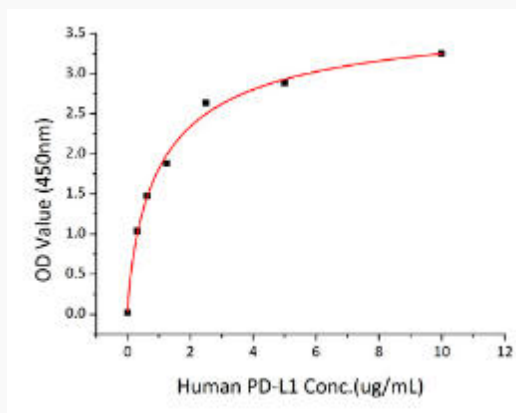
UniProt ID [Q15116](#)

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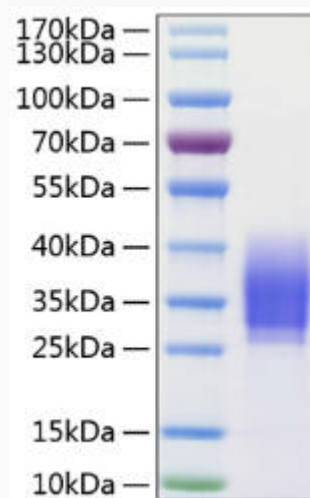
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Activity



SDS-PAGE



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