

# Active Recombinant Human PDCD1 protein, hFc&His-tagged

**Cat. No.** PDCD1-2613H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                               |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Active Recombinant Human PD-1/PDCD1/CD279 Protein is produced by HEK293 expression system. The target protein is expressed with sequence (Leu25-Thr168) of human PD-1 (Accession #NP_005009.2) fused with an Fc, 6×His tag at the C-terminus. |
| <b>Species</b>          | Human                                                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                        |
| <b>ProteinLength</b>    | Leu25-Thr168                                                                                                                                                                                                                                  |
| <b>Form</b>             | Lyophilized from a 0.22 µm filtered solution of PBS, pH 7.4.                                                                                                                                                                                  |
| <b>Bio-activity</b>     | 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 0.3-1.3 µg/mL.                                                     |
| <b>Molecular Mass</b>   | 60-70 kDa                                                                                                                                                                                                                                     |
| <b>Endotoxin</b>        | < 0.1 EU/µg of the protein by LAL method.                                                                                                                                                                                                     |
| <b>Purity</b>           | > 97% by SDS-PAGE.                                                                                                                                                                                                                            |
| <b>Storage</b>          | Store the lyophilized protein at -20°C to -80 °C for long term.<br>After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for                                                                                 |

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up to 1 week.

**Reconstitution** Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile 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

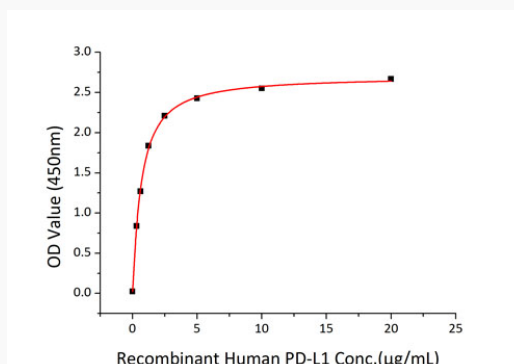
**mRNA Refseq** NM\_005018

**Protein Refseq** NP\_005009

**MIM** 600244

**UniProt ID** Q15116

## Bio-activity

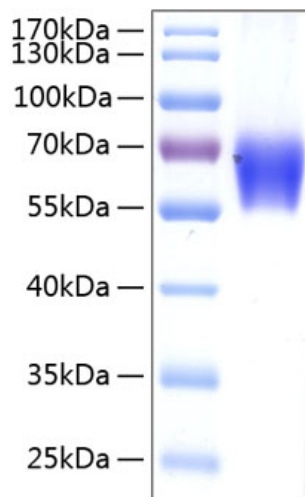


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SDS-PAGE



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