

## Recombinant Human PDCD1 protein, His-tagged

**Cat. No.** PDCD1-4461H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                            |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant Human PDCD1 protein(Q15116-1)(Leu25-Gln167), fused with C-terminal His tag, was expressed in HEK293.                                           |
| <b>Species</b>          | Human                                                                                                                                                      |
| <b>Source</b>           | HEK293                                                                                                                                                     |
| <b>ProteinLength</b>    | Leu25-Gln167                                                                                                                                               |
| <b>Tag</b>              | C-His                                                                                                                                                      |
| <b>Form</b>             | Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 5% trehalose is added as protectant before lyophilization.                             |
| <b>Bio-activity</b>     | Immobilized Human PD-1, His Tag at 1µg/ml (100µl/Well). Dose response curve for Anti-PD-1 Antibody, hFc Tag with the EC50 of 6.9ng/ml determined by ELISA. |
| <b>Molecular Mass</b>   | The protein has a predicted MW of 17 kDa. Due to glycosylation, the protein migrates to 38-50 kDa based on Tris-Bis PAGE result.                           |
| <b>Endotoxin</b>        | Less than 1EU per µg by the LAL method.                                                                                                                    |
| <b>Purity</b>           | > 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC                                                                                          |
| <b>Storage</b>          | Reconstituted protein stable at -80°C for 12 months, 4°C for 1 week. Use a manual                                                                          |

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defrost freezer and avoid repeated freeze-thaw cycles.

**Reconstitution**

Centrifuge tubes before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.

## GENE INFORMATION

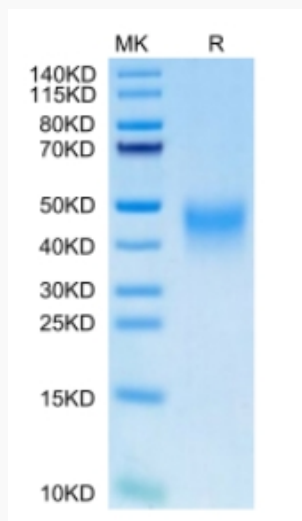
|                        |                                                                                                                       |
|------------------------|-----------------------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | PDCD1 programmed cell death 1 [ Homo sapiens ]                                                                        |
| <b>Official Symbol</b> | PDCD1                                                                                                                 |
| <b>Synonyms</b>        | PDCD1; programmed cell death 1; programmed cell death protein 1; CD279; PD1; protein PD-1; PD-1; SLEB2; hPD-1; hPD-I; |
| <b>Gene ID</b>         | 5133                                                                                                                  |
| <b>mRNA Refseq</b>     | NM_005018                                                                                                             |
| <b>Protein Refseq</b>  | NP_005009                                                                                                             |
| <b>MIM</b>             | 600244                                                                                                                |
| <b>UniProt ID</b>      | Q15116                                                                                                                |

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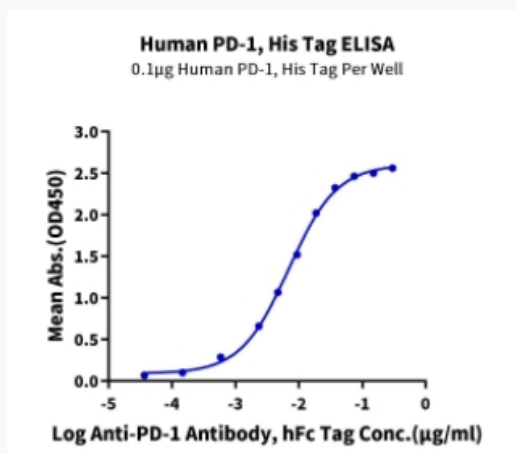
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## Tris-Bis PAGE



## ELISA Data



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