# Biotinylated Human PD-1/PDCD1 Protein

Catalog # PD1-HB007 Form: Lyophilized

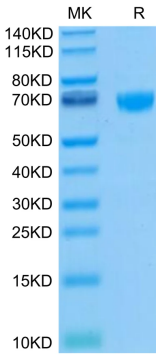
## Product Details

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|---|---|
| **Product description** | Recombinant Biotinylated Human PD-1/PDCD1 Protein is expressed in HEK293 cells with an hFc (IgG1) tag and Avi tag at the C-terminus. It contains amino acid residues Leu25-Gln167 (UniProt accession: Q15116-1). |
| **Molecular aliases** | PDCD1; PD1; CD279; SLEB2; PD-1 |
| **Expression system** | HEK293 |
| **Molecular weight** | The protein has a predicted MW of 44.7 kDa. Due to glycosylation, the protein migrates to 65-72 kDa based on Bis-Tris PAGE result. |
| **Purity** | > 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC |
| **Endotoxin** | Less than 1 EU per μg by the LAL method. |
| **Formulation** | Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization. |
| **State** | Lyophilized |
| **Storage** | -20 to -80°C for 12 months as supplied from date of receipt. -80°C for 3 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. Please refer to the Certificate of Analysis for detailed instructions. |
| **Activity validation** | Activity verified |

## Protein Integrity

### Bis-Tris PAGE

Representative product-page data




**Reported result**

Biotinylated Human PD-1 on Bis-Tris PAGE under reduced. The purity is greater than 95%.