

# Human PD1/PDCD1/CD279 (His & Fc Tag) recombinant protein



Catalog Number: 500741

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gln 167) of human PD1 (NP\_005009.2) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant human PD-L2 at 1 µg/ml (100ul/well) can bind human PD1 / Fc chimera with a linear range of 7.8-1000 ng/ml.

### Purity

> 97 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Glu 32

### Molecular Mass

The recombinant human PD1/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 390 amino acids and has a calculated molecular mass of 44 kDa. As a result of glycosylation, rhPD1/Fc monomer migrates as an approximately 60-65 kDa protein in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

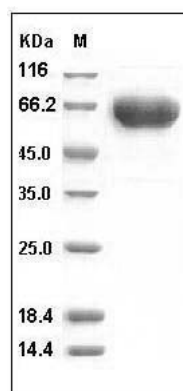
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human PD1 / PDCD1 Protein (His & Fc Tag) SDS-PAGE