

# Mouse PD1/PDCD1/CD279 (His Tag) recombinant protein



Catalog Number: 501694

## General Information

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Gln 167) of mouse PDCD1 (NP\_032824.1) precursor was expressed with a polyhistidine tag at the C-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized mouse PDCD1-His at 10 µg/ml (100 µl/well) can bind mouse CD274-Fch(Cat#50010-M03H), The EC<sub>50</sub> of mouse CD274-Fch(Cat#50010-M03H) is 1.0-2.3µg/ml.

### Purity

> 95 % 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

Leu 25

## Molecular Mass

The secreted recombinant mouse PDCD1 consists of 154 amino acids and has a predicted molecular mass of 17.6 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rm PDCD1 is approximately 40-45 kDa due to glycosylation.

## 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

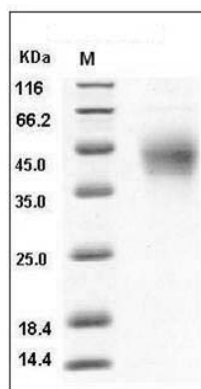
### Storage

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



Mouse PD1 / PDCD1 Protein (His Tag) SDS-PAGE