

# Rat B7-DC/PD-L2/CD273 (Fc Tag) recombinant protein



Catalog Number: 501599

## General Information

### Gene Name Synonym:

### Protein Construction:

A DNA sequence encoding the rat PDCD1LG2 (NP\_001101052.2) (Met1-Arg219) was expressed with the Fc region of human IgG1 at the C-terminus.

**Source:**Rat

**Expression Host:**Human Cells

## QC Testing

### Activity:

Measured by its binding ability in a functional ELISA.  
Immobilized rat PDCD1-His (Cat:503793) at 10 µg/ml (100 µl/well) can bind rat PDCD1LG2-Fc, The EC<sub>50</sub> of rat PDCD1LG2-Fc is 6-14 ng/ml

### Purity:

> 90 % 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 20

### Molecular Mass:

The recombinant rat PDCD1LG2/Fc is a disulfide-linked homodimer. The reduced monomer comprises 438 amino acids and has a predicted molecular mass of 49.2 kDa. The apparent molecular mass of the protein is approximately 64.6 kDa 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

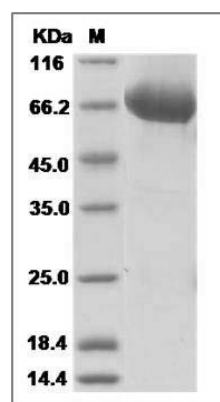
### Storage:

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:



Rat B7-DC / PD-L2 / CD273 Protein (Fc Tag) SDS-PAGE