

# Rat PD-L1/B7-H1/CD274 (Fc Tag) recombinant protein



Catalog Number: 500983

## General Information

### Gene Name Synonym

Similar to PD-1-ligand (Predicted)

### Protein Construction

A DNA sequence encoding the rat CD274 (NP\_001178883.1)(Met1-Thr238) was expressed with the Fc region of human IgG1 at the C-terminus.

### Organism

Rat

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized rat CD274-Fc at 10 µg/ml (100 µl/well) can bind biotinylated rat PDCD1-Fc (Cat:501471), The EC<sub>50</sub> of biotinylated rat PDCD1-Fc (Cat:501471) is 0.14-0.34 µg/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

Ala 18

### Molecular Mass

The recombinant rat CD274/Fc is a disulfide-linked homodimer. The reduced monomer comprises 459 amino acids and has a predicted molecular mass of 51.8 kDa. The apparent molecular mass of the protein is approximately 73.2 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

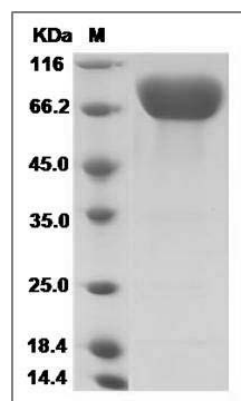
### Storage

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 PD-L1 / B7-H1 / CD274 Protein (Fc Tag) SDS-PAGE