

# Human PD-L1/B7-H1/CD274 (His Tag) recombinant protein



Catalog Number: 503918

## General Information

### Gene Name Synonym

B7 homolog 1

### Protein Construction

A DNA sequence encoding the N-terminal segment (Met 1-Thr 239) of the extracellular domain of human B7-H1 (NP\_054862.1) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human B7-H1 at 20 µg/ml (100 µl/well) can bind human PD1 with a linear ranger of 0.032-0.8 µg/ml.

### Purity

> 98 % 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

Phe 19

## Molecular Mass

The recombinant mature human B7-H1 comprises 232 amino acids and predicts a molecular mass of 26.8 kDa. As a result of glycosylation, the rh B7-H1 migrates as an approximately 35-38 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

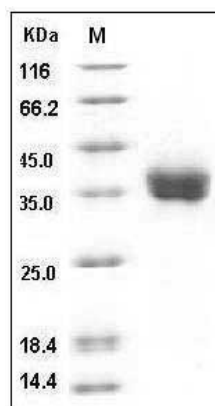
### Storage

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