

# Human B7-H3/CD276 (His Tag) recombinant protein



Catalog Number: 503467

## General Information

### Gene Name Synonym

4Ig-B7-H3; B7 homolog 3; Costimulatory molecule

### Protein Construction

A DNA sequence encoding the human CD276 (Q5ZPR3-1) extracellular domain (Met 1-Thr 461) was expressed, with a polyhistidine tag at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Purity

> 98 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per  $\mu$ g 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 29

### Molecular Mass

The recombinant human CD276 consists of 444 amino acids and predicts a molecular mass of 48 kDa. In SDS-PAGE under reducing conditions, the apparent molecular mass of rhCD276 is approximately 73 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

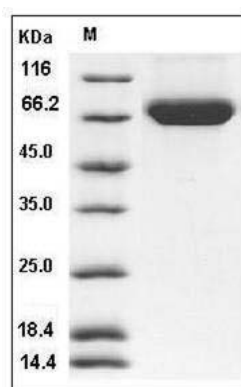
### Storage

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



Human B7-H3 / CD276 Protein (His Tag) SDS-PAGE