

RP01020

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# Recombinant Human B7-H3/CD276 Protein

Catalog No.: RP01020

Recombinant

1 Publications

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	80381	Q5ZPR3-2

### Tags

C-His

### Synonyms

CD276; 4Ig-B7-H3; B7-H3; B7H3;  
B7RP-2; CD276 antigen; 4Ig-B7-H3; B7-  
H3; B7H3; B7RP-2

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS- PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL  
method.

### Formulation

Lyophilized from a 0.22 μm filtered  
solution of PBS, pH 7.4. Contact us for  
customized product form or  
formulation.

### Reconstitution

Centrifuge the vial before opening.  
Reconstitute to a concentration of  
0.1-0.5 mg/mL in sterile distilled water.  
Avoid vortex or vigorously pipetting  
the protein. For long term storage, it is  
recommended to add a carrier protein  
or stabilizer (e.g. 0.1% BSA, 5% HSA,  
10% FBS or 5% Trehalose), and aliquot  
the reconstituted protein solution to  
minimize free-thaw cycles.

## Background

### Basic Information

#### Description

Recombinant Human B7-H3/CD276 Protein is produced by HEK293 cells  
expression system. The target protein is expressed with sequence (Leu29-Pro245)  
of human B7-H3 (Accession #NP\_079516) fused with a 6×His tag at the C-  
terminus.

#### Bio-Activity

Measured by its binding ability in a functional ELISA. Immobilized Human B7-H3  
at 2 μg/mL (100 μL/well) can bind Anti-Human B7-H3 Antibody with a linear  
range of 1-4 ng/mL.

#### Storage

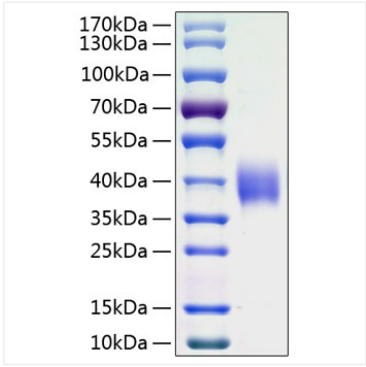
Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from  
the date of receipt. After reconstitution, the protein solution is stable at  
-20°C for 3 months, at 2-8°C for up to 1 week.  
Avoid repeated freeze/thaw cycles.

## Contact

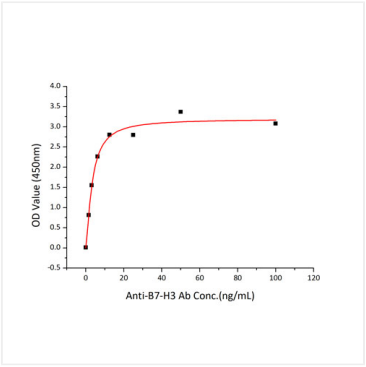


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# Validation Data



Recombinant Human B7-H3/CD276 Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 38-48 kDa.



Immobilized Human B7-H3 at 2 µg/mL (100 µL/well) can bind Anti-Human B7-H3 Antibody with a linear range of 1-4 ng/mL.