

RP02675

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# Recombinant Human B7-H7/HHLA2 Protein

Catalog No.: RP02675

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	11148	Q9UM44-1

### Tags

C-His

### Synonyms

B7H7; B7-H7; HHLA2; B7 Homolog 7

## Product Information

### Source

HEK293 cells

### Purification

> 95% as determined by Tris-Bis PAGE ; > 95% as determined by HPLC

### Endotoxin

Less than 1EU per µg by the LAL method.

### Formulation

### Reconstitution

Centrifuge the tube 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.

## Contact



[www.abclonal.com](http://www.abclonal.com)

## Background

B7-H7, also known as HHLA2 (HERV-H LTR-associating 2), is a member of the B7 family of immune regulatory proteins. Through interaction with TMIGD2, costimulates T-cells in the context of TCR-mediated activation. Enhances T-cell proliferation and cytokine production via an AKT-dependent signaling cascade.

## Basic Information

### Description

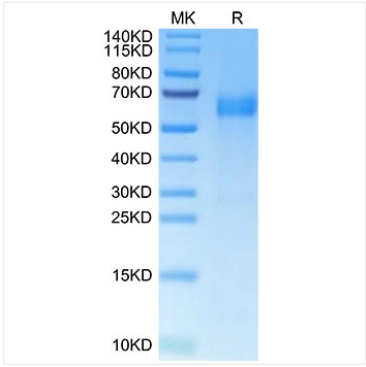
Recombinant Human B7-H7/HHLA2 Protein is expressed from Expi293 with His tag at the C-terminal. ; It contains Ile23-Asn344.

### Bio-Activity

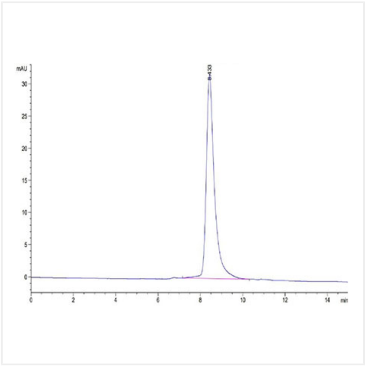
### Storage

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.

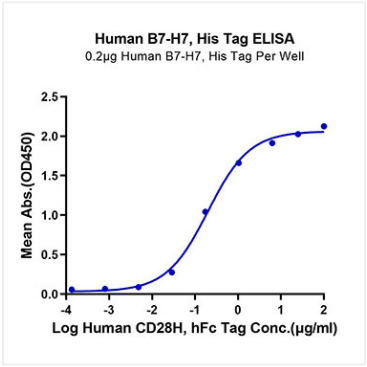
Validation Data



Human B7-H7 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human B7-H7 is greater than 95% as determined by SEC-HPLC.



Immobilized Human B7-H7, His Tag at 2µg/ml (100µl/well) on the plate. Dose response curve for Human CD28H, hFc Tag with the EC<sub>50</sub> of 0.20µg/ml determined by ELISA.