

RP00303

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# Recombinant Human B7-H5/Gi24/VISTA Protein

Catalog No.: RP00303

Recombinant

## Sequence Information

| Species      | Gene ID | Swiss Prot |
|--------------|---------|------------|
| HEK293 cells | 64115   | Q9H7M9     |

### Tags

C-hFc

### Synonyms

B7H5; B7-H5; VISTA; VSIR ; PD1H;  
PD-1H; 4632428N05Rik; C10orf54;  
Dies1; Gi24; PP2135; SISP1

## Product Information

| Source       | Purification                             |
|--------------|------------------------------------------|
| HEK293 cells | > 95% by SDS-<br>PAGE ; > 95% by<br>HPLC |

### Endotoxin

< 1 EU/μg of the protein by LAL  
method

### Formulation

Lyophilized from 0.22 μm filtered  
solution in PBS (pH 7.4). Normally 8%  
trehalose is added as protectant  
before lyophilization.

### 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

B7-H5, also known as VISTA , B7H5, Dies1, SISP1 and C10orf54, is a 55-65 kDa member of the Ig superfamily. It is a transmembrane molecule expressed in bone, on embryonic stem cells (ESCs), and on tumor cell surfaces.

## Basic Information

### Description

Recombinant Human B7-H5/Gi24/VISTA Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Phe33-Ala194) of Human B7-H5/Gi24/VISTA (Accession #Q9H7M9) fused with a C-hFc tag at the C-terminus.

### 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.

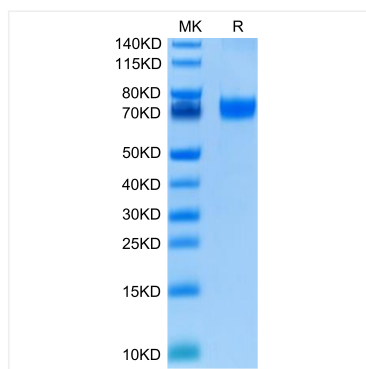
## Contact



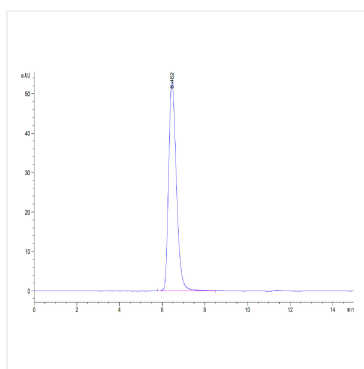
[www.abclonal.com](http://www.abclonal.com)

\* For your safety and health, please wear a lab coat and disposable gloves when handling.

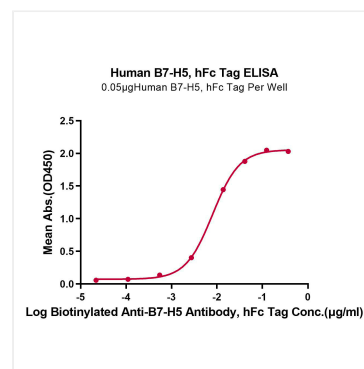
## Validation Data



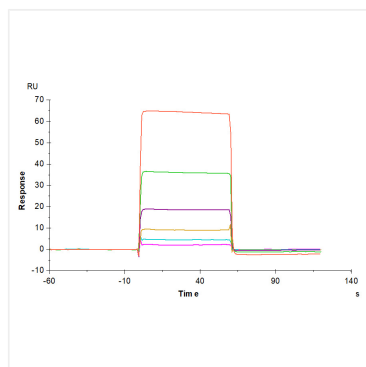
Human B7-H5 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Human B7-H5 is greater than 95% as determined by SEC-HPLC



Immobilized Human B7-H5, hFc Tag at 0.5  $\mu\text{g/mL}$  (100  $\mu\text{L}$ /well) on the plate. Dose response curve for Biotinylated Anti-B7-H5 Antibody, hFc Tag with the  $\text{EC}_{50}$  of 8.0ng/mL determined by ELISA (QC Test).



Human B7-H5, hFc Tag captured on CM5 Chip via Protein A can bind Human IGSF11, His Tag with an affinity constant of 14.44  $\mu\text{M}$  as determined in SPR assay (Biacore T200).