

# Biotinylated Recombinant Human B7-H2/ICOSLG/CD275 Protein

Catalog No.: RP02576B

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	23308	O75144

### Tags

C-His&amp;Avi

### Synonyms

CD275; B7H2; B7-H2; B7RP-1; GL50;  
ICOSL; ICOS-L; ICOSLG; B7RP1; LICOS;  
ICOS ligand; B7-H2B7-related protein 1;  
B7RP-1; B7RP1B7-like protein GI50

## Product Information

### Source

HEK293 cells

### Purification

≥ 95 % as  
determined by Tris-  
Bis PAGE; ≥ 95 % as  
determined by  
HPLC.

### Calculated MW

29.5 kDa

### Observed MW

55-70 kDa

### Endotoxin

&lt; 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered  
solution of PBS, pH 7.4. Normally 8%  
trehalose is added as protectant before  
lyophilization. Contact us for customized  
product form or 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.

## Background

B7-H2, also known as B7-related protein (B7RP1), ICOS Ligand, and CD275, is an approximately 60 kDa transmembrane glycoprotein in the B7 family of immune regulatory molecules. B7-H2 is a ligand for the T-cell-specific cell surface receptor ICOS. Acts as a costimulatory signal for T-cell proliferation and cytokine secretion; induces also B-cell proliferation and differentiation into plasma cells.

## Basic Information

### Description

Biotinylated Recombinant Human B7-H2/ICOSLG Protein is expressed from Expi293 with His tag and Avi tag at the C-terminal. It contains Asp19-Ser258.

### 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

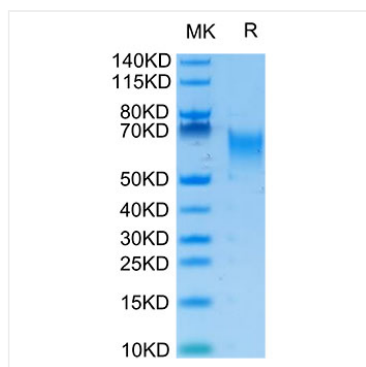


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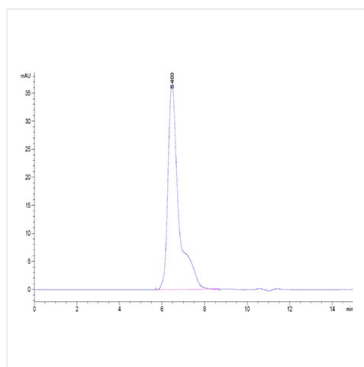
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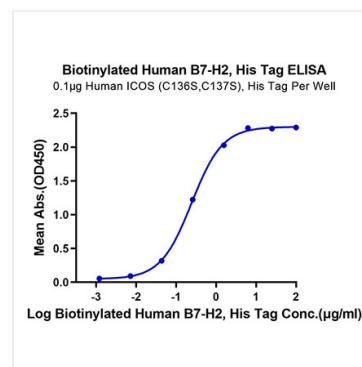
## Validation Data



Biotinylated Recombinant Human B7-H2/ICOSLG/CD275 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Biotinylated Human B7-H2 is greater than 95% as determined by SEC-HPLC.



Immobilized Human ICOS (C136S,C137S) , His Tag at 1μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated Human B7-H2, His Tag with the EC<sub>50</sub> of 0.24μg/ml determined by ELISA.