

Biotinylated Recombinant Human B7-H2/ICOSLG /CD275 Protein

Catalog No.: RP02576B

Sequence Information

Species	Gene ID
Human	23308
Swiss Prot	Tags
O75144	C-His&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 GL50

Product Information

Source	Purification
HEK293 cells	≥ 95 % as determined by Tris-Bis PAGE; ≥ 95 % as determined by HPLC.

Calculated MW Observed MW

29.5 kDa 55-70 kDa

Endotoxin

< 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

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.

Activity

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Storage

Store at -20°C

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

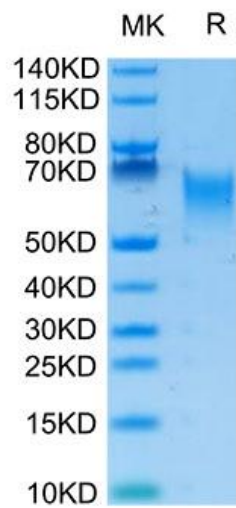
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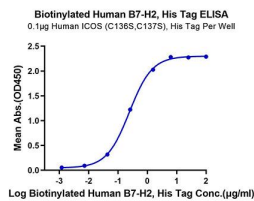
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reconstituted protein solution to
minimize free-thaw cycles.

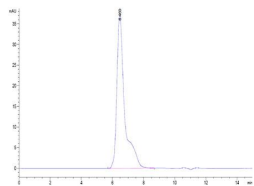
Validation Data



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



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 EC₅₀ of 0.24µg/ml determined by ELISA.



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