

# **Biotinylated Recombinant Human B7-2/CD86 Protein**

Catalog No.: RP00561B Recombinant

## **Sequence Information**

Species Gene ID Swiss Prot Human 942 P42081-1

**Tags** C-His&Avi

Synonyms
41RR Ligand: 4-1RR Li

41BB Ligand; 4-1BB Ligand; 4-1BBL; CD137L; TNFSF9

## **Product Information**

**Source** Purification HEK293 cells ≥ 95 % as

determined by SDS-

PAGE.

Calculated MW Observed MW

28.2 kDa 55-70 kDa

#### **Endotoxin**

< 1 EU/µg of the protein by LAL method.

### **Formulation**

Lyophilized from 0.22  $\mu m$  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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

#### Contact

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## **Background**

B7-1 and B7-2 are homologous costimulatory ligands expressed on the surface of antigen presenting cells (APCs). Binding of these molecules to the T cell costimulatory receptors, CD28 and CTLA-4, is essential for the activation and regulation of T cell immunity. B7-1 and B7-2 do not form hetero-oligomers, underscoring the biological relevance of dimeric and monomeric state of B7-1 and B7-2, respectively.

#### **Basic Information**

#### **Description**

Biotinylated Recombinant Human B7-2/CD86 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Leu26-Pro247) of Human B7-2/CD86 (Accession #P42081-1) fused with a C-His&Avi tag at the C-terminus

#### **Bio-Activity**

#### **Shipping**

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

#### 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.

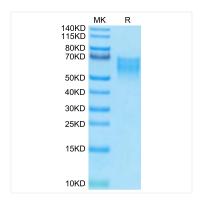
Avoid repeated freeze/thaw cycles.

#### **Operational Notes**

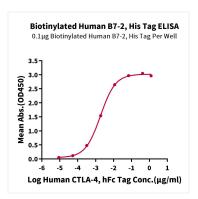
For your safety and health, please wear a lab coat and disposable gloves for handling.

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## **Validation Data**



Biotinylated Recombinant Human B7-2/CD86 Protein was determined by Tris-Bis PAGE under reducing conditions.



Immobilized Biotinylated Human B7-2, His Tag at 1  $\mu$ g/mL (100  $\mu$ L/well) on the streptavidin precoated plate (5  $\mu$ g/mL). Dose response curve for Human CTLA-4, hFc Tag with the EC<sub>50</sub> of 1.9ng/mL determined by ELISA.