

Biotinylated Recombinant Human B7-2/CD86 Protein

Catalog No.: RP00561B

Sequence Information

Species	Gene ID
Human	942
Swiss Prot	Tags
P42081-1	C-His&Avi

Synonyms

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 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

B7-1 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.

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

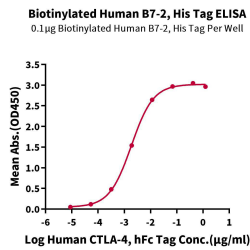
Operational Notes

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

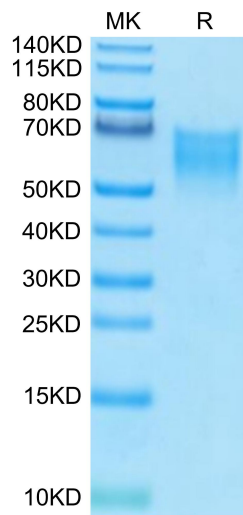
Contact

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Validation Data



Immobilized Biotinylated Human B7-2, His Tag at 1 µg/mL (100 µL/well) on the streptavidin precoated plate (5 µg/mL). Dose response curve for Human CTLA-4, hFc Tag with the EC₅₀ of 1.9ng/mL determined by ELISA.



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