

# Biotinylated Recombinant Human TNFRSF9/4-1BB/CD137 Protein

Catalog No.: RP02282B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3604	Q07011

### Tags

C-His&Avi

### Synonyms

TNFRSF9;4-1BB;CD137;CDw137;ILA

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE and HPLC

### 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 reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

4-1BB, is also known as CD137, is a type 2 transmembrane glycoprotein receptor belonging to the TNF superfamily. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. In addition, CD137 expression is found on dendritic cells, B cells, follicular dendritic cells, natural killer cells, granulocytes and cells of blood vessel walls at sites of inflammation.

## Basic Information

### Description

Biotinylated Recombinant Human 4-1BB Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu24-Gln186) of Human 4-1BB fused with a His and Avi tag at the C-terminal.

### Bio-Activity

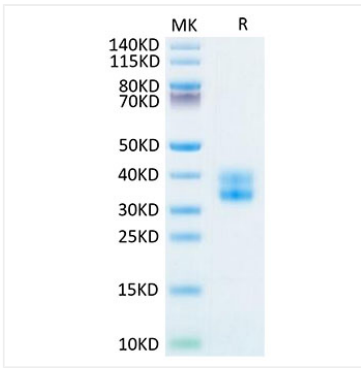
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80°C up to 1 year from the date of receipt.

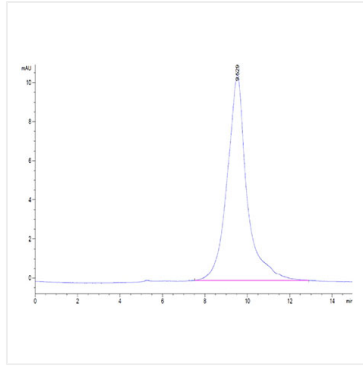
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

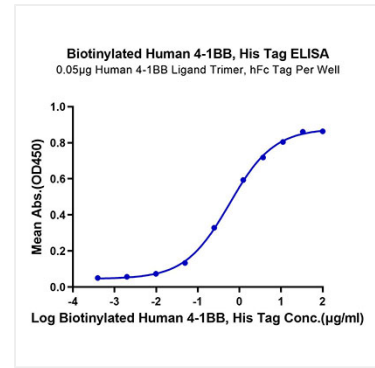
## Validation Data



Biotinylated Human 4-1BB on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human 4-1BB is greater than 95% as determined by SEC-HPLC.



Immobilized Human 4-1BB Ligand Trimer, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human 4-1BB, His Tag with the EC<sub>50</sub> of 0.58µg/ml determined by ELISA.