

# Recombinant Cynomolgus/Rhesus macaque TNFRSF9/4-1BB Protein

Catalog No.: RP02643 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Cynomolgus/	102127961/7	XP_00554494
Rhesus macaque	08281	5.1

## Tags

C-His

## Synonyms

CD137; TNFRSF9; 4-1BB ligand receptor; 41BB; 4-1BB; CDw137; FLJ43501; ILA; T cell antigen ILA

## Product Information

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

Calculated MW	Observed MW
18.4 kD	30-40 kDa

## Endotoxin

Less than 1EU per µg by the LAL method.

## 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 freeze-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

Recombinant Cynomolgus TNFRSF9/4-1BB Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu24-Gln186) of Cynomolgus TNFRSF9 fused with His tag at the C-terminus.

### Bio-Activity

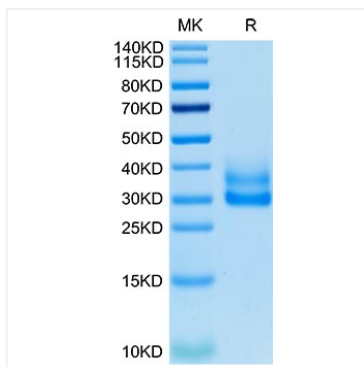
### Storage

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

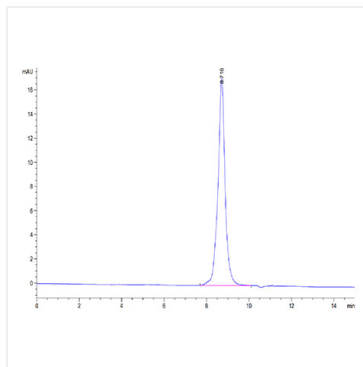
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

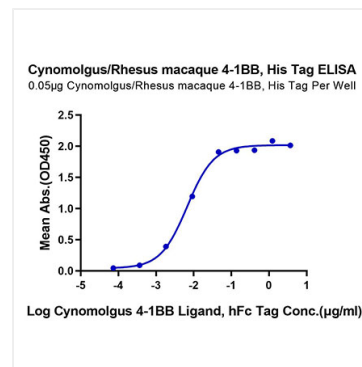
## Validation Data



Cynomolgus/Rhesus macaque 4-1BB on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Cynomolgus/Rhesus macaque 4-1BB is greater than 95% as determined by SEC-HPLC.



Immobilized Cynomolgus/Rhesus macaque 4-1BB, His Tag at 0.5µg/ml (100µl/Well) on the plate. Dose response curve for Cynomolgus 4-1BB Ligand, hFc Tag with the EC<sub>50</sub> of 6.7ng/ml determined by ELISA.