

Datasheet for ABIN7273924

**CD137 Protein (AA 24-186) (Fc-Avi Tag)****4** Images[Go to Product page](#)

## Overview

Quantity:	100 µg
Target:	CD137 (TNFRSF9)
Protein Characteristics:	AA 24-186
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This CD137 protein is labelled with Fc-Avi Tag.

## Product Details

Purpose:	Human 4-1BB/TNFRSF9 Protein
Sequence:	Leu24-Gln186
Characteristics:	Recombinant Human 4-1BB/TNFRSF9 Protein is expressed from HEK293 with hFc tag and Avi tag at the C-Terminus. It contains Leu24-Gln186.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human 4-1BB Ligand Trimer, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human 4-1BB, hFc Tag with the EC50 of 14.3ng/ml determined by ELISA. See testing image for detail.

## Target Details

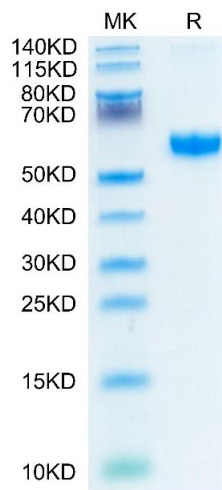
Target:	CD137 (TNFRSF9)
Alternative Name:	4-1BB ( <a href="#">TNFRSF9 Products</a> )
Background:	4-1BB, is also known as CD137, is a type 2 transmembrane glycoprotein receptor belonging to the TNF superfamily. CD137 can be expressed by activated T cells, but to a larger extent on CD8 than on CD4 T cells. 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.
Molecular Weight:	45.7 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
UniProt:	<a href="#">Q07011</a>
Pathways:	<a href="#">Cancer Immune Checkpoints</a>

## Application Details

Restrictions:	For Research Use only
---------------	-----------------------

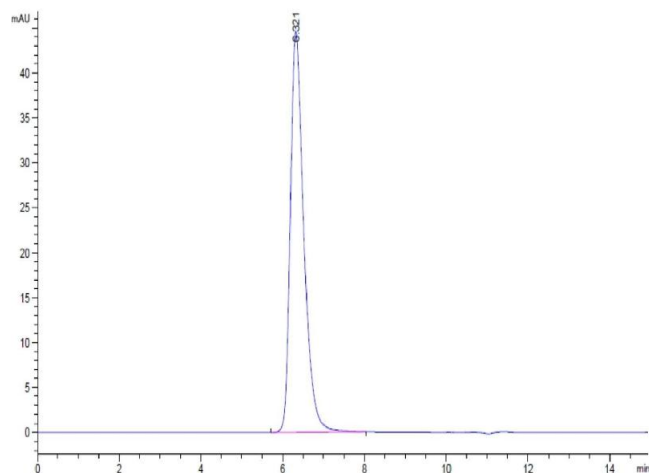
## Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS ( pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt., -80°C for 3-6 months after reconstitution., 2-8°C for 2-7 days after reconstitution., Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



#### SDS-PAGE

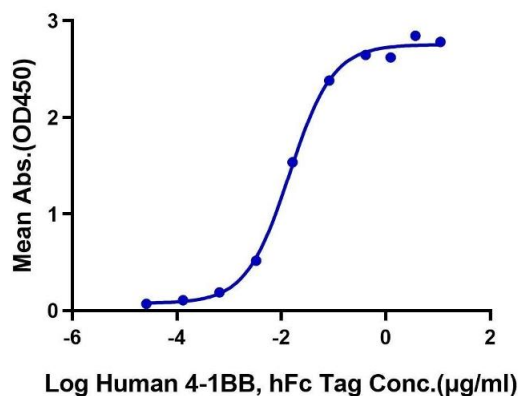
**Image 1.** Human 4-1BB/TNFRSF9 on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .



#### Size-exclusion chromatography-High Pressure Liquid Chromatography

**Image 2.** The purity of Human 4-1BB/TNFRSF9 is greater than 95 % as determined by SEC-HPLC.

**Human 4-1BB, hFc Tag ELISA**  
0.1µg Human 4-1BB Ligand Trimer, His Tag Per Well



#### ELISA

**Image 3.** Immobilized Human 4-1BB Ligand Trimer, His Tag at 1 µg/mL (100 µL/Well) on the plate. Dose response curve for Human 4-1BB, hFc Tag with the EC<sub>50</sub> of 14.3 ng/mL determined by ELISA.

Please check the [product details page](#) for more images. Overall 4 images are available for ABIN7273924.