

RP02058

Leader in Biomolecular Solutions for Life Science



# Recombinant Human TNFSF9/4-1BB Ligand Trimer Protein

Catalog No.: RP02058

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	8744	P41273

### Tags

N-monomeric hFc

### Synonyms

4-1BB-L; CD137L;  
TNLG5A;TNFSF9;CD137L;TNLG5A

## Product Information

Source	Purification
HEK293 cells	> 95% by SDS-PAGE.

### Endotoxin

< 0.1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4. Contact us for customized product form or formulation.

### Reconstitution

Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water.

## Background

4-1BBL is the high affinity ligand of 4-1BB, also known as CD137L or TNFSF9. 4-1BB ligand (4-1BBL) is an inducible molecule present on several APC types, including B cells, macrophages and DCs. 4-1BB:4-1BBL pathway seems to amplify the existing costimulatory signals, even if the engagement of 4-1BB in the presence of a strong TCR signaling can induce IL-2 production in a CD28-independent manner

## Basic Information

### Description

Recombinant Human ErbB2/Her2 Protein is produced by mammalian expression system. The target protein is expressed with sequence (Arg71-Glu254 Trimer) of human 4-1BB Ligand/TNFSF9 (Accession #P41273) fused with an Fc tag at the N-terminus.

### Bio-Activity

Immobilized 4-1BB ligand at 1 μg/mL (100 μL/well), dose response curve for 4-1BB with the EC<sub>50</sub> of 0.8 μg/mL determined by ELISA

### Storage

Store the lyophilized protein at -20°C to -80 °C for long term. After reconstitution, the protein solution is stable at -20 °C for 3 months, at 2-8 °C for up to 1 week.

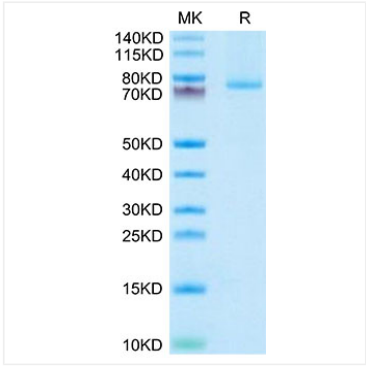
Avoid repeated freeze/thaw cycles.

## Contact

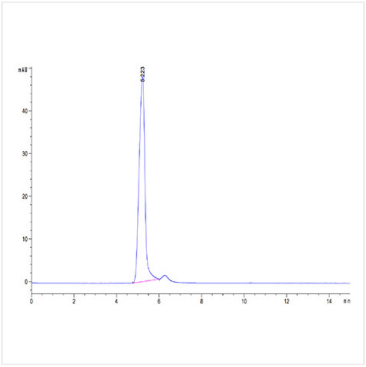


[www.abclonal.com](http://www.abclonal.com)

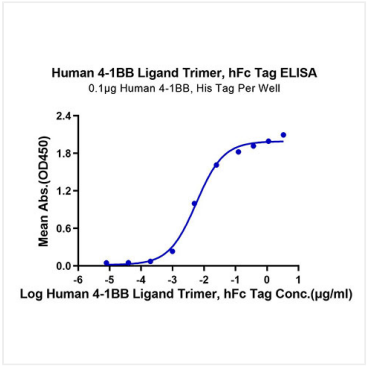
Validation Data



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



The purity of Human 4-1BB Ligand (Trimer) is greater than 95% as determined by SEC-HPLC.



Immobilized Human 4-1BB, His Tag at 1µg/ml (100µl/Well) on the plate. Dose response curve for Human 4-1BB Ligand Trimer, hFc Tag with the EC<sub>50</sub> of 5.7ng/ml determined by ELISA.