

# Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein

Catalog No.: RP00527 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	970	P32970-1

### Tags

N-hFc

### Synonyms

CD70 molecule; CD70; TNFSF7; CD27 Ligand; CD27-L; CD27LG;?Ki-24 antigen; TNFSF7G

## Product Information

### Source

HEK293 cells

### Purification

≥ 95 % as determined by SDS-PAGE; ≥ 95 % as determined by HPLC.

### Calculated MW

42.7 kDa

### Observed MW

60-80 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

CD70, also named CD27 ligand (CD27L), is a type II transmembrane glycoprotein belonging to the TNF superfamily (TNFSF) and has been designated TNFSF7. CD70 is a cytokine that binds to CD27. Plays a role in T-cell activation. Induces the proliferation of costimulated T-cells and enhances the generation of cytolytic T-cells.

## Basic Information

### Description

Recombinant Human CD27 Ligand/CD70 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln39-Pro193) of Human TNFSF7/CD27 Ligand/CD70 (Accession #P32970-1) fused with tag at the N-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.

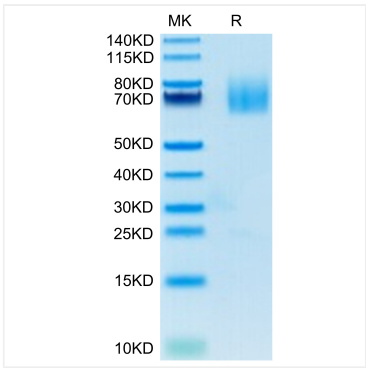
## Contact

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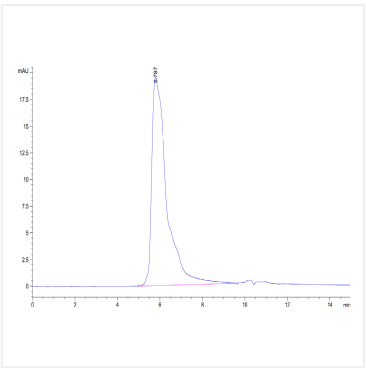
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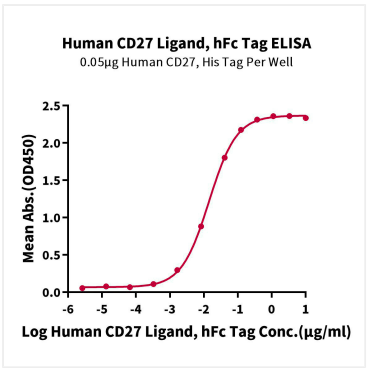
Validation Data



Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein was determined by Tris-Bis PAGE under reducing conditions.



The purity of Human CD27 Ligand is greater than 95% as determined by SEC-HPLC.



Immobilized Human CD27, His Tag at 0.5 μg/mL (100 μL/well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC<sub>50</sub> of 14.2ng/mL determined by ELISA.