

RP00527

Leader in Biomolecular Solutions for Life Science



Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein

Catalog No.: RP00527 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
HEK293 cells	970	P32970-1

Tags

N-hFc

Synonyms

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

Product Information

Source

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.

Purification

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

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.

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

Shipping

Lyophilized proteins are shipped at ambient temperature. Liquid proteins are shipped at frozen temperature with dry ice. Upon receipt, store it immediately at the temperature recommended below.

Operational Notes

For your safety and health, please wear a lab coat and disposable gloves for handling.

Storage

Store at -20°C
Avoid repeated freeze/thaw cycles.

Reconstitution

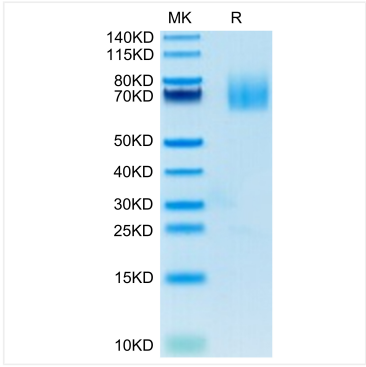
Centrifuge the vial before opening.
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

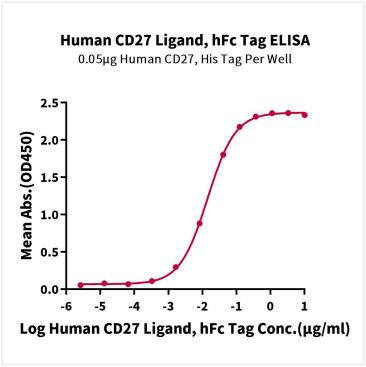


www.abclonal.com

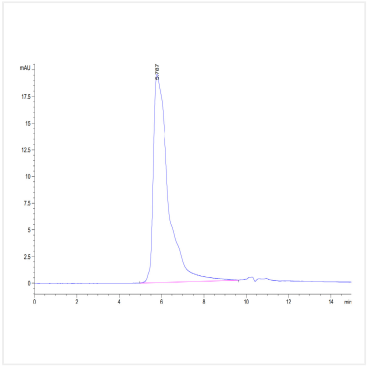
Validation Data



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



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 EC₅₀ of 14.2ng/mL determined by ELISA.



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