

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 Purification

HEK293 cells ≥ 95 % as determined by SDS-PAGE;≥ 95 % as determined by

HPLC.

Calculated MW Observed MW

42.7 kDa 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 stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Contact

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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

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

Storage

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

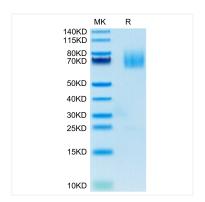
After reconstitution, the protein solution is stable at -20 $^{\circ}$ C for 3 months, at 2-8 $^{\circ}$ C for up to 1 week.

Avoid repeated freeze/thaw cycles.

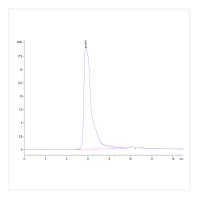
Operational Notes

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

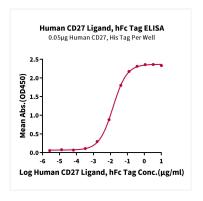
Validation Data



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. $\label{eq:cd2} % \begin{tabular}{ll} \end{tabular} % \be$



Immobilized Human CD27, His Tag at 0.5 μ g/mL (100 μ L/well) on the plate. Dose response curve for Human CD27 Ligand, hFc Tag with the EC₅₀ of 14.2ng/mL determined by ELISA.