

Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein

Catalog No.: RP01129 **Recombinant**

Sequence Information

Species	Gene ID	Swiss Prot
Human	970	P32970

Tags

N-hFc

Synonyms

CD70;CD27L; LPFS3; CD27-L; CD27LG;
TNFSF7; TNLG8A;CD27-
L;CD27LG;TNFSF7;TNLG8A

Product Information

Source	Purification
HEK293 cells	> 90 % by SDS- PAGE.

Calculated MW	Observed MW
43.09 kDa	50-60 kDa

Endotoxin

< 1.0 EU/μg of the protein by LAL method.

Formulation

Lyophilized from a 0.22 μm filtered solution PBS, pH 7.4. Contact us for customized product form or formulation.


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

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Background

This protein is a cytokine that belongs to the tumor necrosis factor (TNF) ligand family. This cytokine is a ligand for TNFRSF27/CD27. It is a surface antigen on activated, but not on resting, T and B lymphocytes. It induces proliferation of costimulated T cells, enhances the generation of cytolytic T cells, and contributes to T cell activation. This cytokine is also reported to play a role in regulating B-cell activation, cytotoxic function of natural killer cells, and immunoglobulin synthesis.

Basic Information

Description

Recombinant Human TNFSF7/CD27 Ligand/CD70 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gln39-Pro193) of human CD70 (Accession #NP_001243.1) fused with an Fc tag at the N-terminus.

Bio-Activity

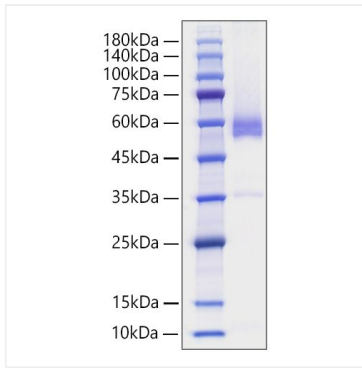
Storage

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.

Validation Data



Recombinant Mouse CSF-1/M-CSF Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 50-60 kDa.