

# Human CD70/CD27L/TNFSF7 (Fc Tag) recombinant protein



Catalog Number: 502332

## General Information

### Gene Name Synonym

CD27 ligand; Tumor necrosis factor ligand superfamily member 7

### Protein Construction

A DNA sequence encoding the extracellular domain of human CD70 (NP\_001243.1) (Gln 39-Pro 193) was fused with the Fc region of human IgG1 at the N-terminus via a polypeptide linker.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

1. Immobilized mouse CD27 at 2 µg/mL (100 µl/well) can bind human CD70 with a linear range of 78-1250 pg/ml.
2. Immobilized mouse CD27 / Fc at 2 µg/mL (100 µl/well) can bind biotinylated human CD70 with a linear range of 0.39-12.5 ng/ml.
3. Immobilized human CD27 / Fc at 2 µg/mL (100 µl/well) can bind biotinylated human CD70 with a linear range of 0.39-12.5 ng/ml.

### Purity

(72.6+18.6) % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

Glu 20

### Molecular Mass

The recombinant human CD70/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 413 amino acids and predicts a molecular mass of 45.5 kDa. As a result of different glycosylation, the rh CD70/Fc migrates as several bands with the approximate molecular mass of 55-60, 110-120 and 160-170 kDa corresponding to the monomeric, dimeric and trimeric form respectively in SDS-PAGE under reducing conditions.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

## Usage Guide

### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

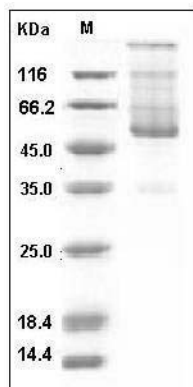
### SDS-PAGE

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SDS-PAGE