

## General Information

### Gene Name Synonym

CD27L receptor; T-cell activation antigen CD27; T14; Tumor necrosis factor receptor superfamily member 7

### Protein Construction

A DNA sequence encoding the extracellular domain (Met 1-Ile 192) of human CD27 (NP\_001233.1) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the carboxy-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its ability to bind with recombinant human CD70.

Immobilized recombinant human CD27 at 2 µg/ml (100 µl/well) can bind biotinylated human CD70 with a linear range of 0.39-12.5 ng/ml.

### Purity

> 95 % 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

Thr 21

### Molecular Mass

The recombinant mature human CD27/Fc is a disulfide-linked homodimeric protein. The reduced monomer comprises 420 amino acids and has a calculated molecular mass of 47.2 kDa. As a result of glycosylation, the monomer migrates as an approximately 65 kDa band 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

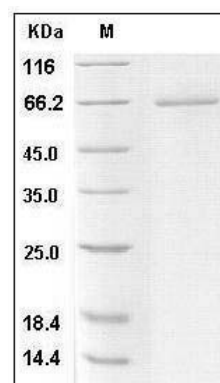
### Storage

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



Human CD27 / TNFRSF7 Protein (His & Fc Tag)

# Human CD27 (His & Fc Tag) recombinant protein



Catalog Number: 502095

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SDS-PAGE