

# Human CD27 (His Tag) recombinant protein



Catalog Number: 503763

## 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 human CD27(P26842) ( Met 1-Ile192) was expressed with a C-terminal polyhistidine tag.

### Organism

Human

### Expression Host

Baculovirus-Insect Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA.

Immobilized human CD27-his (Cat:503763) at 10 µg/mL (100 µl/well) can bind biotinylated human CD70-Fc (Cat:502332), The EC<sub>50</sub> of biotinylated human CD70-Fc (Cat:502332) is 57-85 ng/mL.

### Purity

> 85 % 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

Ala 20

## Molecular Mass

The secreted recombinant human CD27 consists of 183 amino acids and predicts a molecular mass of 20.7 KDa. The apparent molecular mass of the protein is approximately 27 KDa in SDS-PAGE under reducing conditions due to glycosylation.

## Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, 10% glycerol, 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

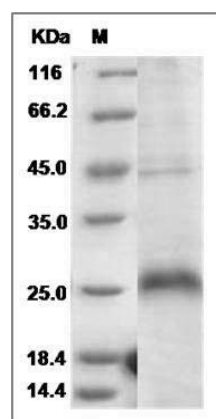
### Storage

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 Tag) SDS-PAGE