

# Human CD40L/CD154/TNFSF5 (Fc Tag) recombinant protein



Catalog Number: 501398

## General Information

### Gene Name Synonym

T-cell antigen Gp39; TNF-related activation protein; Tumor necrosis factor ligand superfamily member 5; CD40 ligand, membrane form; CD40 ligand, soluble form

### Protein Construction

A DNA sequence encoding the soluble form of human CD40L (NP\_000065.1) (Met 113-Leu 261) was fused with the Fc region of human IgG1 at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized human CD40 at 2 µg/ml (100 µl/well) can bind human CD40L Fc Chimera with a linear ranger of 1.28-32 ng/ml.

### Purity

> 90 % 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 CD40L/Fc is a disulfide-linked homodimeric protein. The reduced monomer consists of 386 amino acids and has a predicted molecular mass of 42.8 kDa. The apparent molecular mass of rh CD40L/Fc monomer is approximately 45 kDa 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

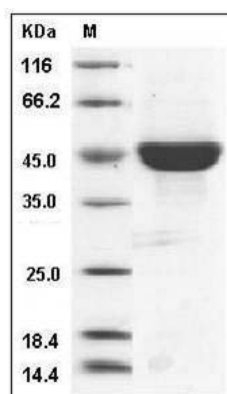
### Storage

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