

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



Catalog Number: 501660

## 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 mouse CD40LG (P27548) (Gly 115-Leu 260) was fused with the Fc region of human IgG1 at the N-terminus.

### Organism

Mouse

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized mouse CD40L-Fc (Cat:501660) at 10 µg/mL (100 µl/well) can bind biotinylated mouse CD40-Fch (Cat:500358), The EC<sub>50</sub> of biotinylated mouse CD40-Fch (Cat:500358) is 33-49 ng/mL.

### Purity

> 80 % 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

## Molecular Mass

The recombinant mouse CD40LG/Fc is a disulfide-linked homodimer. The reduced monomer comprises 406 amino acids and has a calculated molecular mass of 44.4 kDa. The apparent molecular mass of the monomer is approximately 50 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

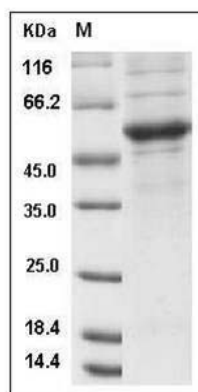
### Storage

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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