

# Human CD40/TNFRSF5 (His & Fc Tag) recombinant protein



Catalog Number: 504131

## General Information

### Gene Name Synonym

B-cell surface antigen CD40; Bp50; CD40L receptor; CDw40

### Protein Construction

A DNA sequence encoding the human CD40 (NP\_001241.1) extracellular domain (Met 1-Arg193) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

Measured by its binding ability in a functional ELISA. Immobilized recombinant human CD40 at 2 µg/ml (100 µl/well) can bind biotinylated human CD40L with a linear range of 7.8-125 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

Glu 21

## Molecular Mass

The recombinant human CD40/Fc is a disulfide-linked homodimer. The reduced monomer consists of 421 amino acids and has a predicted molecular mass of 47.3 kDa. As a result of glycosylation, the apparent molecular mass of rhCD40/Fc monomer migrates with an apparent molecular mass of 55-60 kDa in SDS-PAGE under reducing conditions.

## Formulation

Lyophilized from sterile 100mM Glycine, 10mM NaCl, 50mM Tris, pH 7.5

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

## Usage Guide

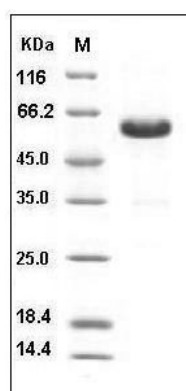
### Storage

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