

Human CD40/TNFRSF5 (Fc Tag) recombinant protein



Catalog Number: 504283

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) (Met1-Arg193) was expressed with the Fc region of human IgG1 at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA.
2. Immobilized human CD40L-His (Cat:504291) at 10 µg/mL (100 µL/well) can bind Human CD40-Fc. The EC₅₀ of Human CD40-Fc is 4-10 ng/mL.

Purity

> 90 % as determined by SDS-PAGE.

Endotoxin

<1.0 EU per µg 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 consists 414 amino acids and predicts a molecular mass of 46.2 kDa.

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

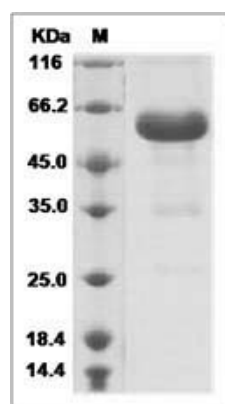
Storage

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



CD40 protein SDS-PAGE