

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

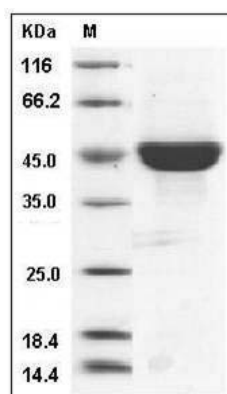
Storage

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