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 μ g/mL (100 μ L/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

KDa	M
116	-
66.2	-
45.0	+ -
35.0	+
25.0	
18.4	
14.4	*

CD40 protein SDS-PAGE