# 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  $\mu$ g/mL (100  $\mu$ L/well) can bind Human CD40-Fc. The EC<sub>50</sub> of Human CD40-Fc is 4-10 ng/mL.

## Purity

> 90 % as determined by SDS-PAGE.

#### Endotoxin

 ${<}1.0$  EU per  $\mu g$  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