

Human CD40/TNFRSF5 (His Tag) recombinant protein



Catalog Number: 501577

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-Arg 193) was expressed, with a C-terminal polyhistidine tag.

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 15.6-500 ng/ml.

Purity

> 98 % 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 secreted recombinant human CD40 comprises 184 amino acids with a predicted molecular mass of 20.7 kDa. As a result of glycosylation, rhCD40 migrates as an approximately 32 kDa band 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

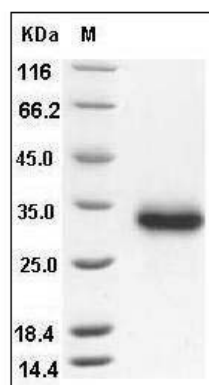
Storage

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



Human CD40 / TNFRSF5 Protein (His Tag) SDS-PAGE