

Mouse CD40/TNFRSF5 (His & Fc Tag) recombinant protein



Catalog Number: 500358

General Information

Gene Name Synonym

B-cell surface antigen CD40; Bp50; CD40L receptor

Protein Construction

A DNA sequence encoding the extracellular domain of mouse CD40 isoform 1 (P27512-1) (Met 1-Arg 193) was fused with the C-terminal polyhistidine-tagged Fc region of human IgG1 at the C-terminus.

Organism

Mouse

Expression Host

Human Cells

QC Testing

Activity

Measured by its ability to bind recombinant human CD40L in a functional ELISA.

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

Leu 20

Molecular Mass

The secreted recombinant mouse CD40/Fc is a disulfide-linked homodimer. The reduced monomer comprises 422 amino acids and has a predicted molecular mass of 47 kDa. As a result of glycosylation, it migrates as an approximately 57 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

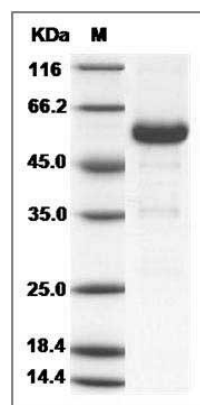
Storage

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



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