

Canine CD40L/CD154/TNFSF5 (Fc Tag) recombinant protein



Catalog Number: 503495

General Information

Gene Name Synonym

Tumor necrosis factor ligand superfamily member 5; CD40 ligand, membrane form; CD40 ligand, soluble form

Protein Construction

A DNA sequence encoding the canine CD40LG (O97626) (Met112-Leu260) was expressed with the Fc region of mouse IgG1 at the N-terminus.

Organism

Canine

Expression Host

Human Cells

QC Testing

Purity

> 85 % 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

Asp

Molecular Mass

The recombinant canine CD40LG is a disulfide-

linked homodimer. The reduced monomer comprises 385 amino acids and has a predicted molecular mass of 42.5 kDa. The apparent molecular mass of the protein is approximately 47 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

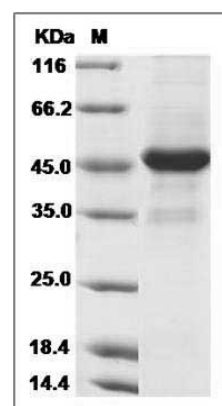
Store it under sterile conditions at -20°C to -80°C .

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