

Canine IL-5/IL5 / Interleukin 5 (His Tag) recombinant protein



Catalog Number: 501338

General Information

Gene Name Synonym

Eosinophil differentiation factor; T-cell replacing factor

Protein Construction

A DNA sequence encoding the extracellular domain of canine IL5 (NP_001006951.1) (Met 1-Ser 134) was expressed, with a polyhistidine tag at the N-terminus.

Organism

Canine

Expression Host

Baculovirus-Insect Cells

QC Testing

Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells.

The ED₅₀ for this effect is typically 2-8 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

Val 22

Molecular Mass

The recombinant canine IL5 consists of 123 amino acids and has a predicted molecular mass of 14.5 kDa. As a result of glycosylation, the apparent molecular mass of the canine IL5 is approximately 17-19 kDa in SDS-PAGE under reducing conditions.

Formulation

Lyophilized from sterile 20mM Tris, 500mM NaCl, pH 8.5, 10% gly

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

Usage Guide

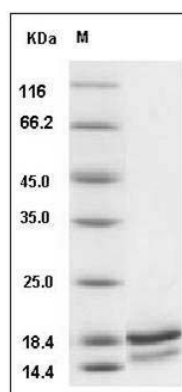
Storage

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



Canine IL5 Protein (His Tag) SDS-PAGE