

Canine IL-4/IL4 / Interleukin-4 recombinant protein



Catalog Number: 501429

General Information

Gene Name Synonym

B-cell stimulatory factor 1; Lymphocyte stimulatory factor 1

Protein Construction

A DNA sequence encoding the canine IL4 (O77762) (His 25-His 132) was expressed, with an initial Met at the N-terminus.

Organism

Canine

Expression Host

E. coli

QC Testing

Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells.
The ED₅₀ for this effect is typically 5-30 ng/ml.

Purity

> 96 % as determined by SDS-PAGE

Endotoxin

Please contact us for more information.

Stability

Samples are stable for up to twelve months from date of receipt at -70°C

Predicted N terminal

Met

Molecular Mass

The recombinant canine IL4 consists of 109 amino acids and has a calculated molecular mass of 13 kDa. In SDS-PAGE under reducing conditions, it migrates as an approximately 12-14 KDa band.

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

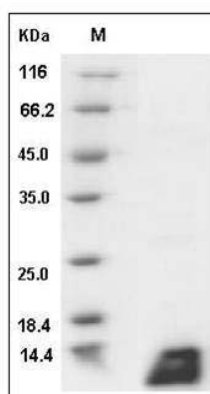
Storage

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



Canine IL4 / Interleukin-4 Protein SDS-PAGE