

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



Catalog Number: 500224

General Information

Gene Name Synonym

B-cell stimulatory factor 1; Binetrakin;
Lymphocyte stimulatory factor 1; Pitrakinra

Protein Construction

A DNA sequence encoding the mature form of human IL4 isoform 1 (P05112-1) (His 25-Ser 153) was expressed and purified, with an initial Met.

Organism

Human

Expression Host

E. coli

QC Testing

Activity

Measured in a cell proliferation assay using TF-1 human erythroleukemic cells. The ED_{50} for this effect is 0.05-0.2 ng/mL.

The specific activity of Recombinant Human IL-4 is approximately 3.2×10^4 IU/ μ g

Purity

> 92 % 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 human IL4 consisting of 130 amino acids and migrates with an apparent molecular mass of 15 kDa as predicted.

Formulation

Lyophilized from sterile 20mM MES, 200mM NaCl, pH 6.0

1. 5 % trehalose and mannitol are added as protectants before lyophilization.
2. Please contact us for any concerns or special requirements.

Usage Guide

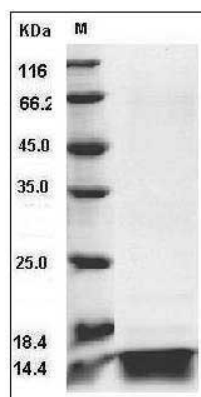
Storage

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 IL4 / Interleukin-4 Protein SDS-PAGE