

Human IL4 recombinant protein (Native)



Catalog Number: 514887

General Information

Gene Name Synonym

IL-4; B-cell stimulatory factor 1; BSF-1;
Binetrakin; Lymphocyte stimulatory factor 1;
Pitrakinra

Protein Construction

A DNA sequence encoding the mature form of human IL4 isoform 1 (P05112-1) (His25-Ser153) 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

> 95 % as determined by SDS-PAGE

Endotoxin

< 10 EU per mg 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

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 50 mM Tris, 300 mM NaCl, pH 7.0.

1. Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization. Specific concentrations are included in the hardcopy of COA.
2. Please contact us for any concerns or special requirements.

Usage Guide

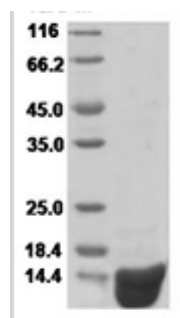
Storage

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

A hardcopy of COA with reconstitution instruction is sent along with the products. Please refer to it for detailed information.

SDS-PAGE



Human IL4/IL-4/Interleukin-4 Protein 14106