

Human IL-4R/CD124 (His Tag) recombinant protein



Catalog Number: 502315

General Information

Gene Name Synonym

Soluble interleukin-4 receptor subunit alpha; IL-4-binding protein

Protein Construction

A DNA sequence encoding the human IL4R (NP_000409.1) precursor (Met 1-His 232) was fused with a polyhistidine tag at the C-terminus.

Organism

Human

Expression Host

Human Cells

QC Testing

Activity

1. Measured by its binding ability in a functional ELISA. Immobilized human IL4R-His (Cat:502315) at 10 µg/mL (100 µl/well) can bind biotinylated human IL4 (Cat:500224). The EC₅₀ of biotinylated human IL4 is 20.8-48.5 ng/mL.

2. Measured by its ability to inhibit IL4 dependent proliferation of TF-1 human erythroleukemic cells. The ED₅₀ for this effect is typically 1-4 ng/ml in the presence of 0.2 ng/ml Recombinant Human IL4.

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

Met 26

Molecular Mass

The secreted recombinant human IL4R consists of 218 amino acids after cleavage of the signal peptide and predicts a molecular mass of 25.3 kDa. In SDS-PAGE under reducing conditions, it migrates with the apparent molecular mass of 43-48 kDa due to glycosylation.

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

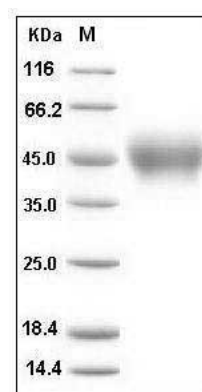
Storage

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



Human IL-4R/CD124 (His Tag) recombinant protein



Catalog Number: 502315

Human IL4R / CD124 Protein (His Tag) SDS-PAGE