

## IL-4R Protein, Human, Recombinant (His) V2

### General Information

Synonyms:	interleukin 4 receptor;CD124;IL4RA;IL-4RA;IL4R
Protein Construction:	Gly24-His232
Species:	Human
Expression Host:	HEK293 Cells
Accession:	P24394-1
Molecular Weight:	24.7 kDa (Predicted); 45-70 kDa (Due to glycosylation)

### QC Testing

Biological Activity:	Immobilized Human IL-4 R alpha, His Tag at 1 µg/ml (100 µl/Well). Dose response curve for Biotinylated Human IL-4, His Tag with the EC50 of 6.1 ng/ml determined by ELISA.
Purity:	> 95% as determined by Tris-Bis PAGE; > 95% as determined by HPLC
Endotoxin:	< 1.0 EU/µg of the protein as determined by the LAL method.
Formulation:	Lyophilized from 0.22 µm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.

### Preparation and Storage

#### Reconstitution:

Reconstitute the lyophilized protein in sterile deionized water. The product concentration should not be less than 100 µg/mL. Before opening, centrifuge the tube to collect powder at the bottom. After adding the reconstitution buffer, avoid vortexing or pipetting for mixing.

#### Stability & Storage:

Lyophilized powders can be stably stored for over 12 months, while liquid products can be stored for 6-12 months at -80°C. For reconstituted protein solutions, the solution can be stored at -20°C to -80°C for at least 3 months. Please avoid multiple freeze-thaw cycles and store products in aliquots.

Actual storage temperature shall be subject to the COA.

#### Shipping:

In general, lyophilized powders are shipped with blue ice, while solutions are shipped with dry ice.

### Protein Background

Interleukin 4 Receptor alpha (IL-4 Ra), also known as CD124 and BSF receptor, is a widely expressed 140 kDa transmembrane glycoprotein in the class I cytokine receptor family. The effects of IL-4 are mediated after binding to high affinity receptor complexes present on hematopoietic as well as non-hematopoietic cells.

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