

# Recombinant Human IL4RA/CD124 Protein (His Tag)

RPES2442

## Description

---

This high-purity recombinant protein is supplied as a kit for advanced applications. The kit includes Bradford Reagent to quantify total protein concentration for accurate sample normalization (Optional).

## Protein Information

---

**SKU:** RPES2442

**Purity:** > 95 % as determined by reducing SDS-PAGE.

**Contents:** 50µg, 10µg  
Bradford Reagent: 1 vial (2ml)

**Concentration:** -

**Species:** Human

**Endotoxin:** < 1.0 EU per µg of the protein as determined by the LAL method.

**Synonyms:** 582J, IL4R, CD124, IL-4RA, IL4RA, IL-4 receptor subunit alpha, IL-4-binding protein, IL4-BP, IL-4R subunit alpha, IL-4R-alpha, Interleukin-4 receptor subunit alpha, 582J2.1, IL-4R&, alpha, IL 4R alpha, IL4R nirs variant 1, IL4RA, Interleukin 4 receptor, Interleukin 4 receptor alpha chain, sIL4Ralpha/prot, Soluble IL-4 receptor subunit alpha, Soluble IL-4R-alpha, Soluble interleukin-4 receptor subunit alpha

**Storage:** Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.

Store Bradford Reagent at Room Temperature for 1 year.

**Tag:** C-His

**Shipping:** This product is provided as lyophilized powder which is shipped with ice packs.

**Expression Host:** HEK293 Cells

**Bio-Activity:** Measured by its ability to inhibit IL-4-dependent proliferation of TF-1 human erythroleukemic cells. The ED50 for this effect is 5-20 ng/ml.

**Calculated MW:** 24.4 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization. Please refer to the specific buffer information in the printed manual.

**Manufacturers Statement:** This final kit system is assembled and quality-released by Assay Genie Limited.

**Observed MW:** 35-60 kDa

**Reconstitution:** Please refer to the printed manual for detailed information. Measured by its ability to inhibit IL-4-dependent proliferation of TF-1 human erythroleukemic cells. The ED 50 for this effect is 5-20 ng/ml. Loaded Dupilumab on Pro-A Biosensor, can bind Recombinant Human IL-4 RA (C-6His) (RPES2442) with an affinity constant of 1.78 nM as determined in BLI assay.

**Accession:** P24394

**Source:** HEK293 Cells-derived Human IL4RA, CD124 protein Met26-His232, with an C-terminal His

**Protein Quantification (Optional):** To quantify total protein levels, use the Bradford Reagent included in this kit. Visit <https://www.assaygenie.com/bradford-protein-assay-protocol/> to view the full protocol

**Sequence:** Met26-His232

**Notes:** Centrifuge before opening to ensure complete recovery of vial contents.

**Form:** Lyophilized powder

