

# Recombinant Human IL5RA/IL-5 Ra Protein (His Tag)

RPES3643

## Description

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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

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**SKU:** RPES3643

**Purity:** > 85 % as determined by reducing SDS-PAGE.

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

**Concentration:** -

**Species:** Human

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

**Synonyms:** CDw, HSIL5R, IL5RA, CD125, CDw125, HSIL5R3, IL5R, IL-5 receptor subunit alpha, IL-5R subunit alpha, IL-5RA, IL-5R-alpha, Interleukin-5 receptor subunit alpha, CDw125, IL-5R&, alpha, CD125 antigen, IL5R, Interleukin 5 Receptor alpha, Interleukin 5 Receptor alpha chain, Interleukin 5 receptor alpha subunit, Interleukin 5 receptor subunit alpha, Interleukin 5 receptor type 3, MGC26560

**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:** 1. Immobilized recombinant mouse IL5-his at 5 µg/mL (100 µL/well) can bind biotinylated human IL5Ra-his with a linear range of 32-4000 ng/mL. 2. Measured by its ability to inhibit IL5 dependent proliferation of TF1 human erythroleukemic cells. The ED50 for this effect is typically 0.7-2.8 µg/mL.

**Calculated MW:** 37.3 kDa

**Formulation:** Lyophilized from sterile 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:** 45-50 kDa

**Reconstitution:** Please refer to the printed manual for detailed information.

**Accession:** Q01344-2

**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

**Source:** HEK293 Cells-derived Human IL5RA/IL-5 protein Met 1-Arg 335, with an C-terminal His

**Sequence:** Met 1-Arg 335

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

**Form:** Lyophilized powder