

Recombinant Human CD122/IL-2RB Protein

RPES1400

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: RPES1400

Purity: > 90 % as determined by reducing SDS-PAGE.

Contents: 100µg
Bradford Reagent: 1 vial (2ml)

Concentration: -

Species: Human

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

Synonyms: P70, IL2RB, CD122, IL15RB, P70-75, IL-2R β , p75, IL-2RB, Interleukin-2 receptor subunit beta, IL-2 receptor subunit beta, IL-2R subunit beta, High affinity IL-2 receptor subunit beta, Interleukin-15 receptor subunit beta, p70-75 (p75), IL-2R β , beta, CD122 antigen, High affinity IL 2 receptor beta subunit, High affinity IL 2 receptor subunit beta, IL2 receptor, Interleukin 2 receptor beta, interleukin 2 receptor subunit beta, P70 75, P7075

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: None

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

Expression Host: HEK293 Cells

Bio-Activity: 1. Immobilized human IL2R β at 10 µg/ml (100 µl/well) can bind biotinylated human IL2, The EC50 of biotinylated human IL2 is 0.1-0.24 µg/mL. 2. Measured by its ability to inhibit IL15-dependent proliferation of MO7e human megakaryocytic leukemic cells in the presence of 4.0 ng/mL of recombinant human IL-15. The ED50 for this effect is 1-4µg/mL.

Calculated MW: 25.2 kDa

Formulation: Lyophilized from sterile 100mM NaCl, 50mM Tris, pH 7.5 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.

Observed MW: 40 kDa

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

Accession: NP_000869.1

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 CD122/IL-2RB protein Met 1-Asp 239

Sequence: Met 1-Asp 239

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

Form: Lyophilized powder

