

Recombinant Human IL2Ra/CD25 Protein (His Tag)

RPES1147

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: RPES1147

Purity: > 97 % as determined by reducing SDS-PAGE.

Contents: 100µg, 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: IMD, IDDM, IL2RA, CD25, IDDM10, IL2R, IMD41, TCGFR, p55, IL-2 receptor subunit alpha, IL-2R subunit alpha, IL2-RA, IL-2-RA, IL-2R α , Interleukin-2 receptor subunit alpha, TAC antigen, Tac, p55, IL-2R α , alpha, alpha chain, CD25 antigen, IL 2 receptor alpha subunit, IL2 RA, Interleukin 2 receptor, Interleukin 2 receptor alpha, Interleukin 2 receptor alpha chain, t-cell growth factor receptor

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. Using the Octet RED System, the affinity constant (Kd) of Human IL2RA-his bound to Human IL2 was 35nM. 2. Measured by its ability to inhibit IL2-dependent proliferation of MO7e human megakaryocytic leukemic cells in the presence of 30 ng/mL of recombinant human IL-2. The ED50 for this effect is 0.15-0.75µg/mL.

Calculated MW: 23.3 kDa

Formulation: Lyophilized from sterile PBS, pH 7.4 Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before

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

lyophilization. Please refer to the specific buffer information in the printed manual.

Observed MW: 44 kDa

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

Accession: NP_000408.1

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 IL2Ra/CD25 protein Met 1-Cys 213, with an C-terminal His

Sequence: Met 1-Cys 213

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

Form: Lyophilized powder