

Recombinant Human Interleukin-7/IL-7 Protein (His Tag)

RPES2582

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: RPES2582

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

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

Concentration: -

Species: Human

Endotoxin: < 0.01 EU per µg of the protein as determined by the LAL method.

Synonyms: Lymphopoietin, IL7, IL-7, IL 7, Interleukin 7, Interleukin-7, LP-1, Lymphopoietin 1

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 in a cell proliferation assay using PHA-activated human peripheral blood lymphocytes (PBL). The ED50 for this effect is 50-300 pg/ml.

Calculated MW: 18.4 kDa

Formulation: Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, 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.

Observed MW: 19-30 kDa

Reconstitution: Please refer to the printed manual for detailed information. Measured in a cell proliferation

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

assay using PHA-activated human peripheral blood lymphocytes (PBL). The ED50 for this effect is 50-300 pg/ml. Loaded Mouse IL-7RA-Fc(RPES0554) on Protein A Biosensor, can bind Human IL-7-His(RPES2582) with an affinity constant of 29.0 nM as determined in BLI assay.

Accession: P13232

Source: HEK293 Cells-derived Human Interleukin-7, IL-7 protein Asp26-His177, with an C- terminal His

Sequence: Asp26-His177

Form: Lyophilized powder

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

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