

# Recombinant Human Interleukin-21/IL-21 Protein

RPES2209

## 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:** RPES2209

**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:** CVID, Interleukin, IL21, CVID11, IL-21, Za11, Interleukin-21

**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:** E.coli

**Bio-Activity:** Measured by its ability to enhance IFN-gamma secretion in NK-92 human natural killer lymphoma cells. The ED50 for this effect is 2.47 ng/ml.

**Calculated MW:** 15.6 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:** 16 kDa

**Reconstitution:** Please refer to the printed manual for detailed information. Measured by its ability to enhance IFN-gamma secretion in NK-92 human

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

natural killer lymphoma cells. The ED50 for this effect is 2.47 ng/ml.

**Accession:** Q9HBE4

**Source:** E.coli-derived Human Interleukin-21, IL-21 protein Gln30-Ser162

**Sequence:** Gln30-Ser162

**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.