

# Recombinant Human IL-21R Protein (His Tag)

RPES1438

## 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:** RPES1438

**Purity:** > 92 % 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:** UNQ, IL21R, CD360, NILR, CD360., IL-21 receptor, IL-21R, Interleukin-21 receptor, UNQ3121, PRO10273, NILR

**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. Measured by its ability to bind human IL-21 in a functional ELISA. 2. Measured by its ability to inhibit IL21-induced Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED50 for this effect is typically 1-5 ng/ml in the presence of 10 ng/ml of recombinant human IL23. Measured by its ability to inhibit IL21- induced Interferon gamma secretion by human natural killer lymphoma NK-92 cells. The ED50 for this effect is typically 50-200 pg/mL in the presence of 1 ng/ml of recombinant human IL21.

**Calculated MW:** 26.5 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:** -

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

**Accession:** Q9HBE5-1

**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 IL-21R protein Met 1-Pro 236, with an C-terminal His

**Sequence:** Met 1-Pro 236

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

**Form:** Lyophilized powder