

# Recombinant Human Interleukin-17A/IL-17A Protein (Human Cells, His RPES2021

## 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:** RPES2021

**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:** Cytotoxic T-lymphocyte-associated antigen, IL17A, CTLA-8, CTLA8, IL-17, IL-17A, IL17, Interleukin-17A, Cytotoxic T-lymphocyte-associated antigen 8, CTLA 8, CTLA8, CTLA-8, CTLA8cytotoxic T-lymphocyte-associated serine esterase 8, Cytotoxic T-lymphocyte-associated antigen 8, IL17, IL-17, IL17A, IL-17A, IL-17Acytotoxic T-lymphocyte-associated protein 8, IL-17CTLA-8, Cytotoxic T lymphocyte associated antigen 8, Cytotoxic T lymphocyte associated protein 8, Cytotoxic T lymphocyte associated serine esterase 8, IL 17A, Interleukin 17 (cytotoxic T lymphocyte associated serine esterase 8), Interleukin 17A, Interleukin17, Interleukin17A, OTTHUMP00000016597, OTTMUSP00000046003

**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 by its ability to induce IL-6 secretion by NIH- 3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 1-10 ng/ml.

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

**Calculated MW:** 15.9 kDa

**Formulation:** Lyophilized from a 0.2 µm filtered solution of PBS, 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:** 15-22 kDa

**Reconstitution:** Please refer to the printed manual for detailed information. Measured by its ability to induce IL-6 secretion by NIH- 3T3 mouse embryonic fibroblast cells. The ED50 for this effect is 1-10 ng/ml. Immobilized Human IL-17RA-Fc(RPES3390) at 2µg/ml (100 µl/well) can bind Human IL-17A-His(RPES2021). The ED50 of Human IL-17A-His(RPES2021) is 0.49 ng/ml.

**Accession:** Q16552

**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 Interleukin-17A, IL-17A protein Gly24-Ala155, with an C-terminal His

**Sequence:** Gly24-Ala155

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

**Form:** Lyophilized powder

