

# Recombinant Human IL-17A&IL-17F Protein

Catalog No.: RP02627 **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	3605&11274	Q16552-1(IL-17A)&Q96PD4(IL-17F)

### Tags

C-His

### Synonyms

IL-17A;Interleukin-17A;CTLA-8;IL-17;IL-17F;IL24;ML-1;Interleukin-17F

## Product Information

Source	Purification
HEK293 cells	> 95% as determined by Tris-Bis PAGE > 95% as determined by HPLC

Calculated MW	Observed MW
15.1 kDa (IL-17A), 15.7 kDa (IL-17F)	16 kDa(IL-17A) , 27 kDa(IL-17F)

### Endotoxin

Less than 1EU per µg by the LAL method.

### Formulation

#### Reconstitution

Centrifuge the tube before opening.  
Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

## Contact

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## Background

Interleukin-17A (IL-17A), also known as CTLA-8, is a 15.2 kDa glycosylated cytokine that plays an important role in anti-microbial and chronic inflammation. The six IL-17 cytokines (IL-17A-F) are encoded by separate genes but adopt a conserved cystine knot fold. IL-17A is a ligand for IL-17RA and IL-17RC. The heterodimer formed by IL-17A and IL-17F is a ligand for the heterodimeric complex formed by IL-17RA and IL-17RC. Involved in inducing stromal cells to produce proinflammatory and hematopoietic cytokines.

## Basic Information

### Description

Recombinant Human IL-17A&IL-17F Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Gly24-Ala155)&(Arg31-Gln163) of Human IL-17A&IL-17F (Accession #) fused with His tag at the C-terminal.

### Bio-Activity

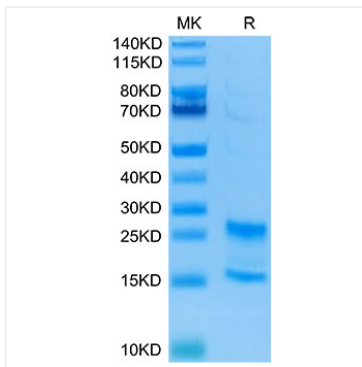
#### Storage

Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt.

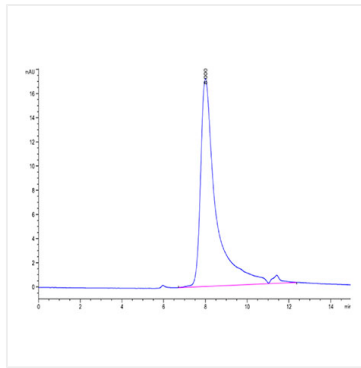
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

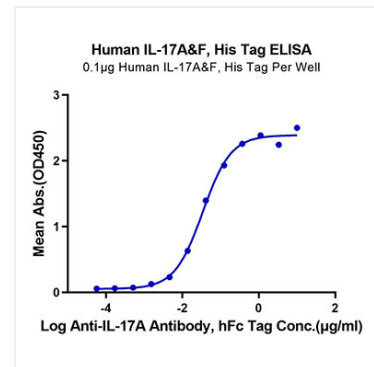
## Validation Data



Human IL-17A&F on Tris-Bis PAGE under reduced conditions. The purity is greater than 95%



The purity of Human IL-17A&F is greater than 95% as determined by SEC-HPLC.



Immobilized Human IL-17A&F, His Tag at 1µg/ml (100µl/well) on the plate. Dose response curve for Anti-IL-17A Antibody, hFc Tag with the EC<sub>50</sub> of 34.0ng/ml determined by ELISA.