

# Biotinylated Recombinant Human IL-17RA/CD217 Protein

Catalog No.: RP02396B **Recombinant**

## Sequence Information

Species	Gene ID	Swiss Prot
Human	23765	Q96F46

### Tags

C-hFc&Avi

### Synonyms

CANDF5; CD217; CDw217; IL-17RA;  
IL17R; IMD51;  
hIL-17R;IL17RA;CD217;CDw217;IL-17RA;I  
L17R;IMD51;hIL-17R

## Product Information

Source	Purification
HEK293 cells	> 95% by Tris-Bis PAGE;> 95% by SEC-HPLC

Calculated MW	Observed MW
61.8 kDa	78-100 kDa

### Endotoxin

< 1 EU/μg of the protein by LAL method.

### Formulation

Lyophilized from a 0.22 μm filtered solution of PBS, pH 7.4.

### 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 17 (also known as CTLA-8) is a T cell-expressed pleotropic cytokine. IL-17 binds to IL-17 receptor (IL-17 R) which shares no homology with any known family of receptors. While the expression of IL-17 is restricted to activated T cells, the IL-17 R mRNA exhibits a broad tissue distribution, and has been detected in virtually all cells and tissues tested. The human IL-17 R gene was localized to chromosome 22.

## Basic Information

### Description

Biotinylated Recombinant Human IL-17RA/CD217 Protein is produced by Expi293 expression system. The target protein is expressed with sequence (Leu33-Trp320) of Human IL-17RA/CD217 fused with a hFc and Avi tag at the C-terminal.

### Bio-Activity

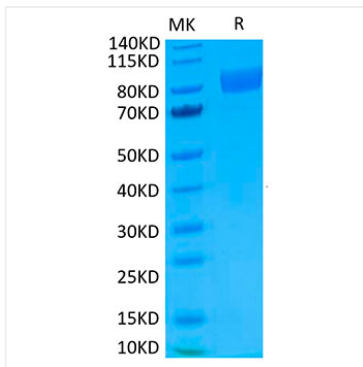
#### Storage

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

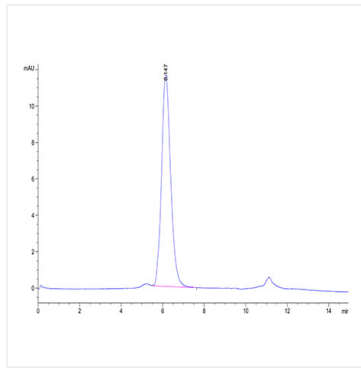
After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Avoid repeated freeze/thaw cycles.

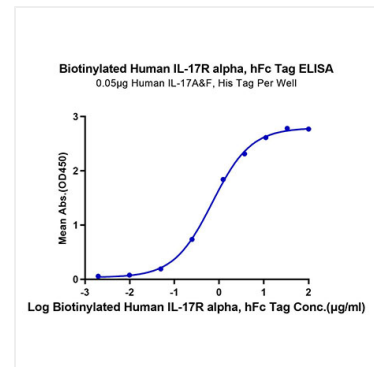
## Validation Data



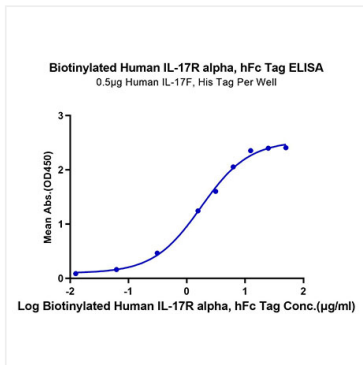
Biotinylated Human IL-17R alpha on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.



The purity of Biotinylated Human IL-17R alpha is greater than 95% as determined by SEC-HPLC.



Immobilized Human IL-17A&F, His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-17R alpha, hFc Tag with the EC<sub>50</sub> of 0.70µg/ml determined by ELISA.



Immobilized Human IL-17F, His Tag at 5µg/ml (100µl/well) on the plate. Dose response curve for Biotinylated Human IL-17R alpha, hFc Tag with the EC<sub>50</sub> of 1.76µg/ml determined by ELISA.