

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

Catalog No.: RP02627 Recombinant

Sequence Information

 Species
 Gene ID
 Swiss Prot

 Human
 3605&11274 Q16552-1(IL

 4
 17A)&Q96PD 4(IL-17F)

Tags

C-His

Synonyms

IL-17A;Interleukin-17A;CTLA-8;IL-17;IL-17 F;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), 16 kDa(IL-17A), 27 15.7 kDa (IL-17F) kDa(IL-17F)

Endotoxin

< 1 EU/µg of the protein by 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 stablizer (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?20 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 IL17RA and IL17RC. The heterodimer formed by IL17A and IL17F is a ligand for the heterodimeric complex formed by IL17RA and IL17RC . 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

Shipping

The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature recommended below.

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.

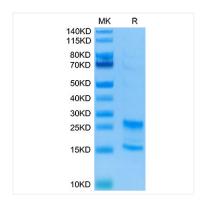
Avoid repeated freeze/thaw cycles.

Operational Notes

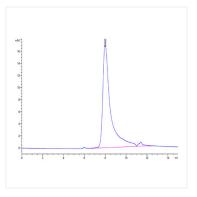
For your safety and health, please wear a lab coat and disposable gloves for handling.

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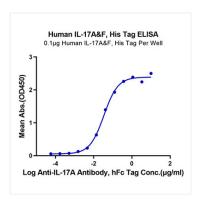
Validation Data



Recombinant Human IL-17A&IL-17F Protein was determined by Tris-Bis PAGE under reducing conditions.



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



Immobilized Human IL-17A&F, His Tag at 1 μ g/ml (100 μ l/well) on the plate. Dose response curve for Anti-IL-17A Antibody, hFc Tag with the EC $_{50}$ of 34.0ng/ml determined by ELISA.