

RP02709

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# Recombinant Human IL-17C Protein

Catalog No.: RP02709

Recombinant

## Sequence Information

Species	Gene ID	Swiss Prot
Human	27189	Q9P0M4

### Tags

C-His

### Synonyms

CX2; Cytokine CX2; IL17C; IL-17C; IL-17CMGC126884

## Background

Interleukin 17C (IL-17C) is a 15-20 kDa glycosylated cytokine that plays an important role in mucosal immunity and chronic inflammation. The six IL-17 cytokines (IL-17A-F) are encoded by separate genes but adopt a conserved cystine knot fold. IL-17C is Cytokine that plays a crucial role in innate immunity of the epithelium, including to intestinal bacterial pathogens, in an autocrine manner. Stimulates the production of antibacterial peptides and proinflammatory molecules for host defense by signaling through the NF-kappa-B and MAPK pathways. Acts synergically with IL-22 in inducing the expression of antibacterial peptides, including S100A8, S100A9, REG3A and REG3G.

## Basic Information

### Description

Recombinant Human IL-17C Protein is expressed from Expi293 with His tag at the C-terminal. It contains His19-Val197.

### Bio-Activity

### Storage

Store the lyophilized protein at -20°C to -80°C for long term. 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.

## Product Information

### Source

HEK293 cells

### Purification

> 95% by SDS-PAGE. > 95% as determined by SEC-HPLC

### Endotoxin

<0.01EU/μg by the LAL method.

## Formulation

### Reconstitution

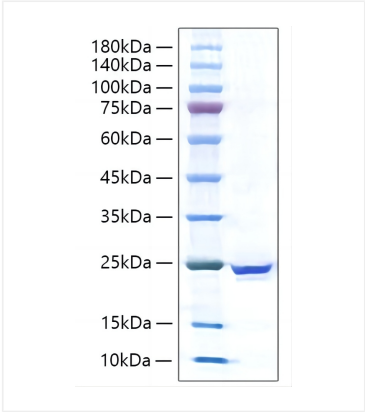
Centrifuge the tube before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stabilizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot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

## Contact

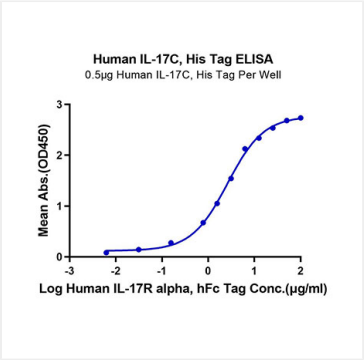


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Validation Data



Recombinant Human IL-17C Protein was determined by SDS-PAGE with Coomassie Blue, showing a band at 20-25 kDa.



Immobilized Human IL-17C at 5µg/ml (100µl/Well) on the plate. Dose response curve for Human IL-17R alpha, hFc Tag with the EC<sub>50</sub> of 2.6µg/ml determined by ELISA.