

# Biotinylated Human IL-17F Protein

Cat. No. ILF-HM419B

## Description

<b>Source</b>	Recombinant Biotinylated Human IL-17F Protein is expressed from HEK293 with His tag and Avi tag at the C-Terminus. It contains Arg31-Gln163.
<b>Accession</b>	Q96PD4
<b>Molecular Weight</b>	The protein has a predicted MW of 17.5 /14.9 kDa. Due to glycosylation, the protein migrates to 23-28 kDa based on Bis-Tris PAGE result.
<b>Endotoxin</b>	Less than 1EU per µg by the LAL method.
<b>Purity</b>	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

## Formulation and Storage

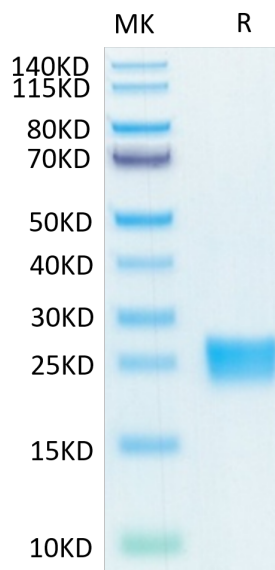
<b>Formulation</b>	Supplied as 0.22µm filtered solution in PBS (pH 7.4).
<b>Storage</b>	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

## Background

The Interleukin 17 (IL-17) family proteins, comprising six members (IL-17A through IL-17F), are secreted, structurally related proteins that share a conserved cystine-knot fold near the C-terminus, but have considerable sequence divergence at the Nterminus. IL-17F is 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 stimulating the production of other cytokines such as IL6, IL8 and CSF2, and in regulation of cartilage matrix turnover.

## Assay Data

### Bis-Tris PAGE



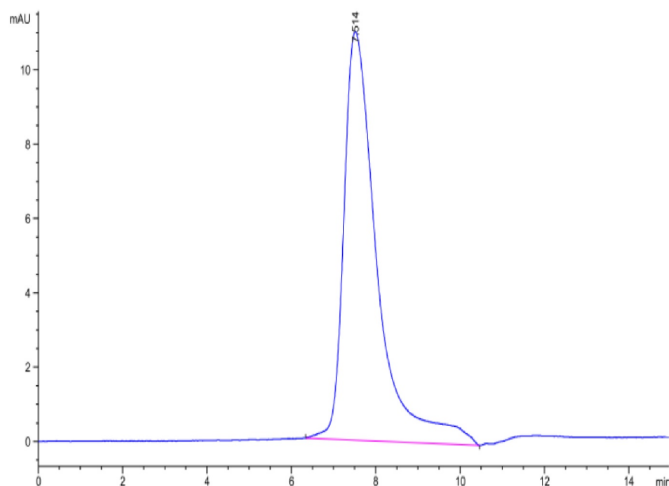
Biotinylated Human IL-17F on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

### SEC-HPLC

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## Assay Data

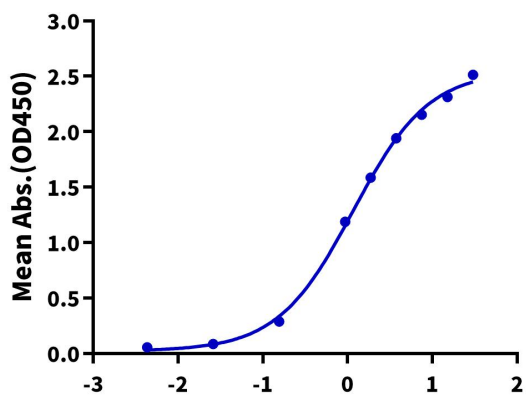


The purity of Biotinylated Human IL-17F is greater than 95% as determined by SEC-HPLC.

## ELISA Data

### Biotinylated Human IL-17F, His Tag ELISA

0.2  $\mu\text{g}$  Human IL-17R alpha, hFc Tag Per Well



Immobilized Human IL-17 R alpha, hFc Tag at 2  $\mu\text{g}/\text{ml}$  (100  $\mu\text{l}/\text{well}$ ) on the plate. Dose response curve for Biotinylated Human IL-17F, His Tag with the EC50 of 1.16  $\mu\text{g}/\text{ml}$  determined by ELISA.