

# Human IL-17F (His Tag) recombinant protein



Catalog Number: 500426

## General Information

### Gene Name Synonym

Cytokine ML-1

### Protein Construction

A DNA sequence encoding the human IL17F (NP\_443104.1) (Arg 31-Gln 163) was expressed, with a polyhistidine tag at the N-terminus.

### Organism

Human

### Expression Host

Human Cells

## QC Testing

### Activity

1. Measured by its ability to bind human IL17Ra in a functional ELISA.
2. Measured by its ability to induce IL-6 secretion by HFF human foreskin fibroblast cells. The ED<sub>50</sub> for this effect is typically 0.5-3 µg/mL.

### Purity

> 80 % as determined by SDS-PAGE

### Endotoxin

< 1.0 EU per µg of the protein as determined by the LAL method

### Stability

Samples are stable for up to twelve months from date of receipt at -70°C

### Predicted N terminal

His

### Molecular Mass

The recombinant human IL17F consists of 153 amino acids and has a calculated molecular mass of 17.3 kDa. rhIL17F migrates as an approximately 24 kDa band in SDS-PAGE under reducing conditions and a 44 kDa band in non-reduced SDS-PAGE as the homodimer.

### Formulation

Lyophilized from sterile PBS, pH 7.4

1. 5 % trehalose and mannitol are added as protectants before lyophilization.

2. Please contact us for any concerns or special requirements.

## Usage Guide

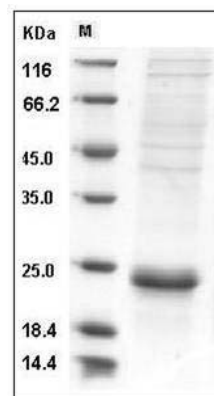
### Storage

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

### Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

### SDS-PAGE



Human IL-17F / Interleukin-17F Protein (His Tag)  
SDS-PAGE