# **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 $_{50}$  for this effect is typically 0.5-3  $\mu$ g/mL.

# **Purity**

> 80 % as determined by SDS-PAGE

## **Endotoxin**

< 1.0 EU per  $\mu g$  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**

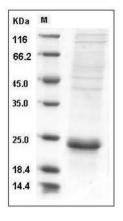
# **Storage**

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