

## Animal-Free IL-17F Protein, Mouse (His)

<b>Cat. No.:</b>	HY-P700195AF
<b>Synonyms:</b>	Interleukin-17F; IL-17F; Cytokine ML-1; Interleukin-24; IL-24; IL17F; IL24
<b>Species:</b>	Mouse
<b>Source:</b>	E. coli
<b>Accession:</b>	Q7TNI7 (R29-A161)
<b>Gene ID:</b>	257630
<b>Molecular Weight:</b>	Approximately 15.82 kDa

### PROPERTIES

<b>AA Sequence</b>	<pre> MRKNPKAGVP    ALQKAGNCP    LEDNTVRVDI    RIFNQNGGIS VPRFQNRSS    SPWDYNITRD    PHRFPS EIAE    AQCRHSGCIN AQQQEDSTMN    SVAIQQEILV    LRREPQGCSN    SFRLEKMLLK VGCTCVKPIV    HQAA           </pre>
<b>Biological Activity</b>	Measure by its ability to induce IL-6 secretion in 3T3 cells. The ED <sub>50</sub> for this effect is <100 ng/mL.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a solution containing 20 mM sodium citrate, pH 4.5.
<b>Endotoxin Level</b>	<0.1 EU per 1 µg of the protein by the LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O.
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	<p>IL-17F is a cytokine that plays a role in host defense against extracellular bacteria and fungi. It induces neutrophilic inflammation and activates and recruits neutrophils to infection and inflammatory sites. IL-17F also stimulates the production of antimicrobial proteins by mucosal epithelial cells, limiting the entry of microbes through epithelial barriers. It signals through the IL-17RC homodimeric receptor complex, activating TRAF6 and NF-kappa-B signaling pathways. IL-17F also induces the transcriptional activation of IL33, a cytokine involved in pulmonary allergic response to fungi. It promotes sympathetic innervation of peripheral organs and regulates the composition of intestinal microbiota and immune tolerance. IL-17F forms homodimers and heterodimers with IL-17A and forms complexes with IL17RA and IL17RC receptors.</p>
-------------------	--

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA