

## 32-12192: Human Interleukin-17F

**Gene :** IL17F  
**Gene ID :** 112744  
**Uniprot ID :** Q96PD4  
**Alternative Name :** Cytokine ML-1

### Description

**Source:** Genetically modified E.coli.

**Predicted MW:** Dimer, 15.0/30.1 kDa (134/268 aa)

Interleukin 17F (IL-17F), a member of the IL-17 cytokine family, is secreted by activated CD4+ T cells and monocytes. IL-17F binds the IL-17 receptor related molecule, IL17RC, to promote the production of the interleukin 6 (IL-6), interleukin 8 (IL-8), and granulocyte macrophage colony-stimulating factor (GM-CSF) cytokines. IL-17F also functions to regulate matrix turnover rates, inhibit endothelial cell angiogenesis, and induce the endothelial cell expression of interleukin 2 (IL-2), monocyte chemoattractant protein-1 (MCP-1), and transforming growth factor beta 1 (TGF- $\beta$ 1).

### Product Info

**Amount :** 25  $\mu$ g / 100  $\mu$ g  
**Purification :** Reducing and Non-Reducing SDS PAGE at  $\geq$  95%  
**Content :** Lyophilized from a sterile (0.2 micron) filtered aqueous solution containing 0.1% Trifluoroacetic Acid (TFA)  
Sterile water at 0.1 mg/mL  
**Storage condition :** Store at -20°C  
**Amino Acid :** MRKIPKVGHT FFQKPESCPP VPGGSMKLDI GIINENQRVS MSRNIESRST SPWNYTVTWD PNRYPSSEVVQ AQCRNLGCIN AQQKEDISMN SVPIQQETLV VRRKHQGC SV SFQLEKVLVT VGCTCVTPVI HHVQ

### Application Note

**Endotoxin:** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.

Biological Activity was determined by Production of IL-6 from mouse 3T3 cells at  $\leq$  100 ng/mL;  $\geq$  1.0 x 10<sup>4</sup> units/mg. Centrifuge vial before opening, Suspend the product by gently pipetting the above recommended solution down the sides of the vial. DO NOT VORTEX. Allow several minutes for complete reconstitution. For prolonged storage, dilute to working aliquots in a 0.1% BSA solution, store at -80°C and avoid repeat freeze thaws. Upon reconstitution, a small amount of visible precipitate can be expected. A 10% overfill has been added to the total material vial to compensate for this loss.



