

## 32-7024: Recombinant Human Interleukin-17F/IL-17F

**Gene :** IL17F  
**Gene ID :** 112744  
**Uniprot ID :** Q96PD4

### Description

Source: E.coli.  
MW :30.1kD.

Recombinant Human Interleukin-17F is produced by our E.coli expression system and the target gene encoding Arg31-Gln163 is expressed. Interleukin-17 is a potent pro-inflammatory cytokine produced by activated memory T cells. There are at least six members of the IL-17 family in humans and in mice. Today, IL-17 represents a family of structurally related cytokines that share a highly conserved C-terminal region but differ from one another in their N-terminal regions and in their distinct biological roles. The six known members of this family, IL-17A through IL-17F, are secreted as homodimers. IL-17F also regulates cartilage matrix turnover and inhibits angiogenesis.

### Product Info

**Amount :** 10 µg / 50 µg  
**Content :** Lyophilized from a 0.2 µm filtered solution of 20mM PB, pH 7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MRKIPKVGHTFFQKPESCPPVPGGSMKLDIGIINENQRVSMRNIESRSTSPWNYTVTWDPNRYPS  
EVLVQAQCRNLGCINAQGGKEDISMNSVPIQQETLVVRRKHQGCVSFQLEKVLVTVGCTCVTPVIHH  
VQ

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 µg/ml. Dissolve the lyophilized protein in 500mM Acetic Acid. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.

**Biological Activity :** ED50 is approximately 10 ng/ml. Specific Activity of  $1.0 \times 10^5$  IU/mg